LG Electronics Inc.

SERVICE MANUAL MODEL: LM-U2350A, LMS-U2350, LM-U4050A, LMS-U4050, LMS-U4050W, LM-U5050A, LMS-U5050, LMS-U5050W, LMS-U5050S

LG Electronics Inc.

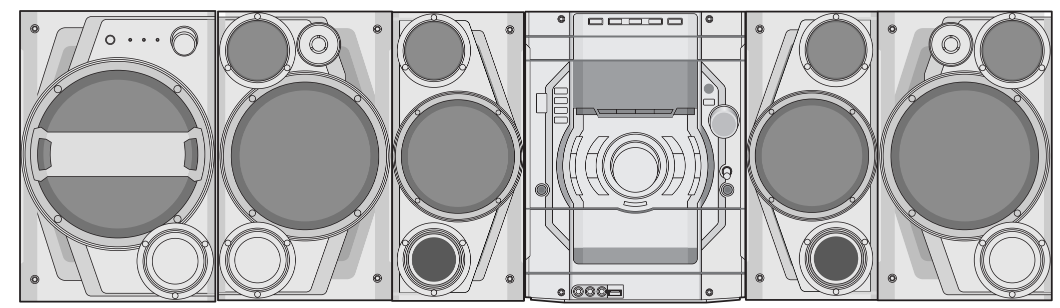
LG

3CD CHANGER HI-FI SYSTEM

SERVICE MANUAL

CAUTION

BEFORE SERVICING THE UNIT, READ THE “SAFETY PRECAUTIONS” IN THIS MANUAL.



MODEL: LM-U2350A, LMS-U2350
LM-U4050A, LMS-U4050, LMS-U4050W
LM-U5050A, LMS-U5050, LMS-U5050W, LMS-U5050S

[CONTENTS]

SECTION 1. GENERAL

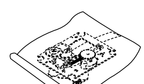
❑ SERVICING PRECAUTIONS

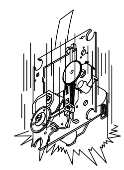
■ NOTES REGARDING HANDLING OF THE PICK-UP

1. Notes for transport and storage

1) The pick-up should always be left in its conductive bag until immediately prior to use.
2) The pick-up should never be subjected to external pressure or impact.

Storage in conductive bag

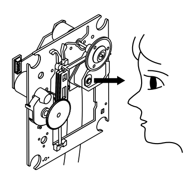




Drop impact

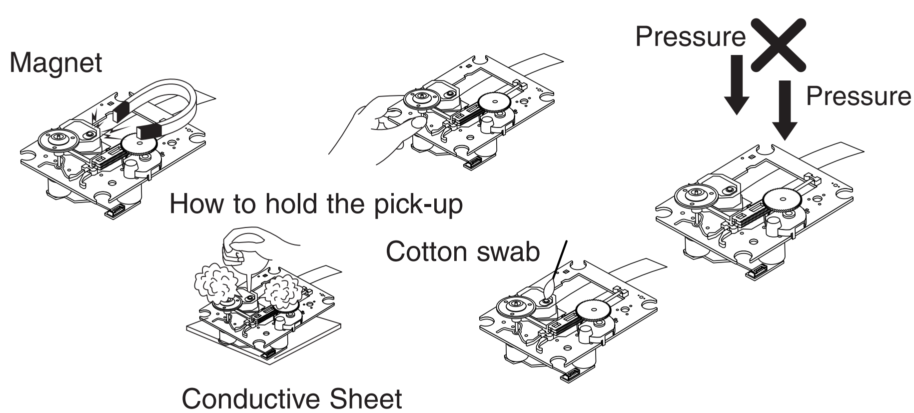
2. Repair notes

1) The pick-up incorporates a strong magnet, and so should never be brought close to magnetic materials.
2) The pick-up should always be handled correctly and carefully, taking care to avoid external pressure and impact. If it is subjected to strong pressure or impact, the result may be an operational malfunction and/or damage to the printed-circuit board.
3) Each and every pick-up is already individually adjusted to a high degree of precision, and for that reason the adjustment point and installation screws should absolutely never be touched.
4) Laser beams may damage the eyes!
   Absolutely never permit laser beams to enter the eyes!
   Also NEVER switch ON the power to the laser output part (lens, etc.) of the pick-up if it is damaged.



NEVER look directly at the laser beam, and don't let contact fingers or other exposed skin.

5) Cleaning the lens surface
   If there is dust on the lens surface, the dust should be cleaned away by using an air bush (such as used for camera lens). The lens is held by a delicate spring. When cleaning the lens surface, therefore, a cotton swab should be used, taking care not to distort this.



6) Never attempt to disassemble the pick-up.
   Spring by excess pressure. If the lens is extremely dirty, apply isopropyl alcohol to the cotton swab. (Do not use any other liquid cleaners, because they will damage the lens.) Take care not to use too much of this alcohol on the swab, and do not allow the alcohol to get inside the pick-up.

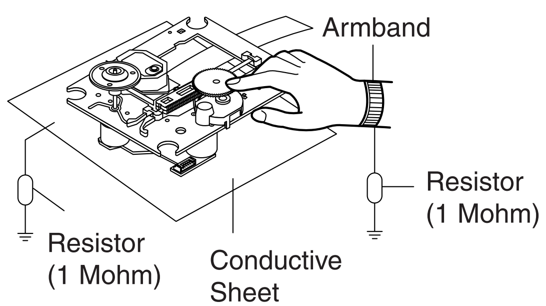
■ NOTES REGARDING COMPACT DISC PLAYER REPAIRS

1. Preparations

1) Compact disc players incorporate a great many ICs as well as the pick-up (laser diode). These components are sensitive to, and easily affected by, static electricity. If such static electricity is high voltage, components can be damaged, and for that reason components should be handled with care.
2) The pick-up is composed of many optical components and other high-precision components. Care must be taken, therefore, to avoid repair or storage where the temperature of humidity is high, where strong magnetism is present, or where there is excessive dust.

2. Notes for repair

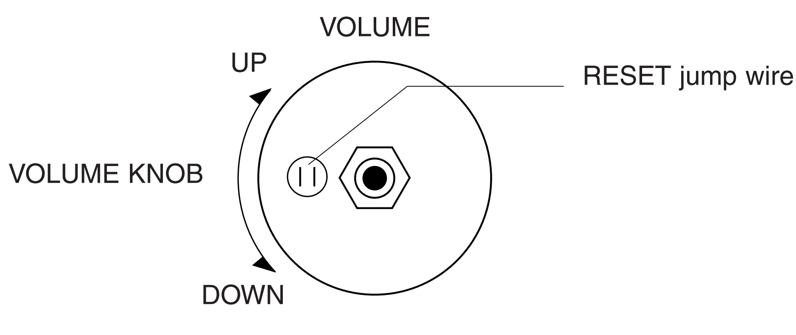
1) Before replacing a component part, first disconnect the power supply lead wire from the unit
2) All equipment, measuring instruments and tools must be grounded.
3) The workbench should be covered with a conductive sheet and grounded.
   When removing the laser pick-up from its conductive bag, do not place the pick-up on the bag. (This is because there is the possibility of damage by static electricity.)
4) To prevent AC leakage, the metal part of the soldering iron should be grounded.
5) Workers should be grounded by an armband (1M Ω)
6) Care should be taken not to permit the laser pick-up to come in contact with clothing, in order to prevent static electricity changes in the clothing to escape from the armband.
7) The laser beam from the pick-up should NEVER be directly facing the eyes or bare skin.



CLEARING MALFUNCTION

You can reset your unit to initial status if malfunction occur(button malfunction, display, etc.).
Using a pointed good conductor(such as driver), simply short the RESET jump wire on the inside of the volume knob for more than 3 seconds.
If you reset your unit, you must reenter all its settings(stations, clock, timer)

NOTE: 1. To operate the RESET jump wire, pull the volume rotary knob and release it.
2. If you wish to operate the RESET jump wire, it is necessary to unplug the power cord.



❑ ESD PRECAUTIONS

■ Electrostatically Sensitive Devices (ESD)

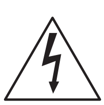
Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive Devices (ESD). Examples of typical ESD devices are integrated circuits and some field-effect transistors and semiconductor chip components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ESD devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ESD devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESD devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESD devices.
6. Do not remove a replacement ESD device from its protective package until immediately before you are ready to install it. (Most replacement ESD devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive materials).
7. Immediately before removing the protective material from the leads of a replacement ESD device, touch the protective material to the chassis or circuit assembly into which the device will by installed.

CAUTION : BE SURE NO POWER IS APPLIED TO THE CHASSIS OR CIRCUIT, AND OBSERVE ALL OTHER SAFETY PRECAUTIONS.

8. Minimize bodily motions when handing unpackaged replacement ESD devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ESD device).

CAUTION. GRAPHIC SYMBOLS

	THE LIGHTNING FLASH WITH APROWHEAD SYMBOL. WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE SERVICE PERSONNEL TO THE PRESENCE OF UNINSULATED “DANGEROUS VOLTAGE” THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK.
	THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE SERVICE PERSONNEL TO THE PRESENCE OF IMPORTANT SAFETY INFORMATION IN SERVICE LITERATURE.

❑ SPECIFICATIONS

SECTION		MODEL	LM-U5050	LM-U4050	LM-U2350
[General]		Power supply	Refer to the back panel of the unit.		
[General]		Power consumption	200 W		110 W
[General]		Weight	8.5 kg		
[General]		External dimensions (W x H x D)	280 x 370 x 400 mm		
[CD]		Frequency response	40 - 18000 Hz		
[CD]		Signal-to-noise ratio	75 dB		
[CD]		Dynamic range	70 dB		
[Tuner]	FM	Tuning Range	87.5 - 108.0 MHz or 65 - 74 MHz, 87.5 - 108.0 MHz		
[Tuner]	FM	Intermediate Frequency	10.7 MHz		
[Tuner]	FM	Signal to Noise Ratio	60/55 dB		
[Tuner]	FM	Frequency Response	60 - 10000 Hz		
[Tuner]	AM (MW)	Tuning Range	522 - 1620 kHz or 520 - 1720 kHz		
[Tuner]	AM (MW)	Intermediate Frequency	450 kHz		
[Tuner]	AM (MW)	Signal to Noise Ratio	30 dB		
[Tuner]	AM (MW)	Frequency Response	120 - 2000 Hz		
[Amp]		Output Power	Front : 270 W + 270 W (LM-U5050 model only) 250 W + 250 W (LM-U4050/U2350 model only) Surround : 110 W + 110 W (LM-U5050 model only) Subwoofer : 350 W (LM-U5050/U4050 model only)		
[Amp]		T.H.D	0.7%		
[Amp]		Frequency Response	42 - 20000 Hz		
[Amp]		Signal-to-noise ratio	80 dB		
[TAPE]		Tape Speed	3000 ± 3 % (MTT-111. NORMAL-SPEED)		
[TAPE]		Wow Flutter	0.25 % (MTT -111, JIS-WTD)		
[TAPE]		F.F/REW Time	120 sec (C-60)		
[TAPE]		Frequency Response	125 - 8000 Hz		
[TAPE]		Signal to Noise Ratio	40 dB		
[TAPE]		Channel Separation	50 dB (P/B)/45 dB (R/P)		
[TAPE]		Erase Ratio	55dB (MTT-5511)		
[Speakers]		Speaker Name	Front speaker (L/R)		Surround speaker (L/R) [LMS-U5050S]
[Speakers]			LMS-U5050	LMS-U4050/U2350	
[Speakers]		Type	Bass Reflex 3Way 3 Speaker		Bass Reflex 2Way 2Speaker
[Speakers]		Impedance	6Ω		24Ω
[Speakers]		Frequency Response	55 - 20000 Hz		60 - 20000 Hz
[Speakers]		Sound Pressure Level	86 dB/W (1m)		86 dB/W (1m)
[Speakers]		Rated Input Power	270 W	250 W	110 W
[Speakers]		Max. Input Power	540 W	500 W	220 W
[Speakers]		Net Dimensions (W x H x D)	250 X 300 X 415 mm		187 X 258 X 415 mm
[Speakers]		Weight	9.3 kg		4.3 kg
[Subwoofer]		Speaker Name	Subwoofer (LMS-U5050W/U4050W)		
[Subwoofer]		Type	1 Way 1 Speaker		
[Subwoofer]		Impedance	6Ω		
[Subwoofer]		Frequency Response	45 - 15000 Hz		
[Subwoofer]		Sound Pressure Level	84 dB/W (1m)		
[Subwoofer]		Rated Input Power	350 W		
[Subwoofer]		Max. Input Power	700 W		
[Subwoofer]		Net Dimensions (W x H x D)	279 X 320 X 415 mm		
[Subwoofer]		Weight	10.0 kg		

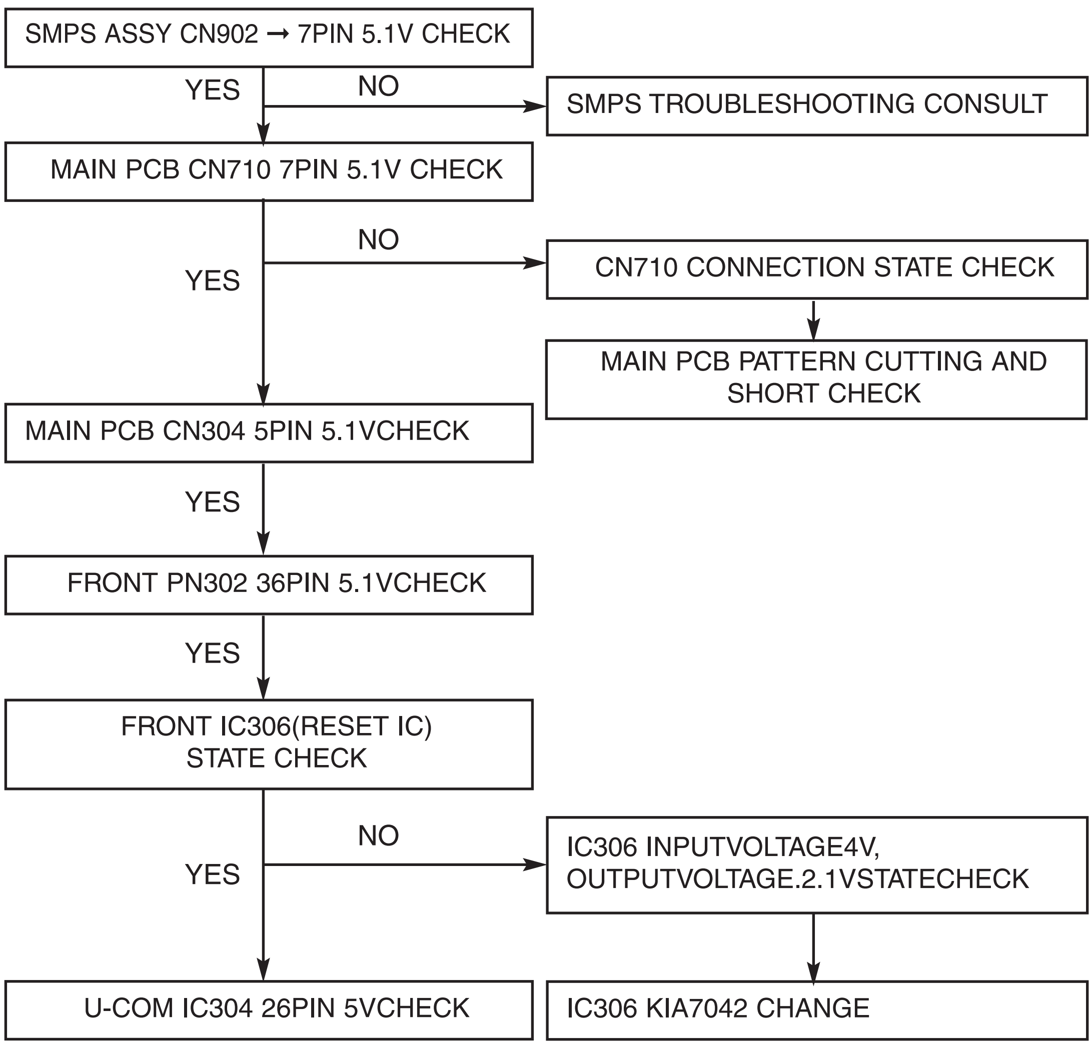
MEMO

SECTION 2. ELECTRICAL

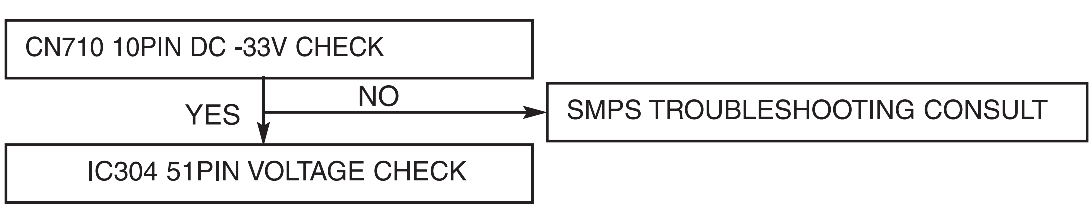
❑ ELECTRICAL TROUBLESHOOTING GUIDE

■ SMPS POWER CIRCUIT

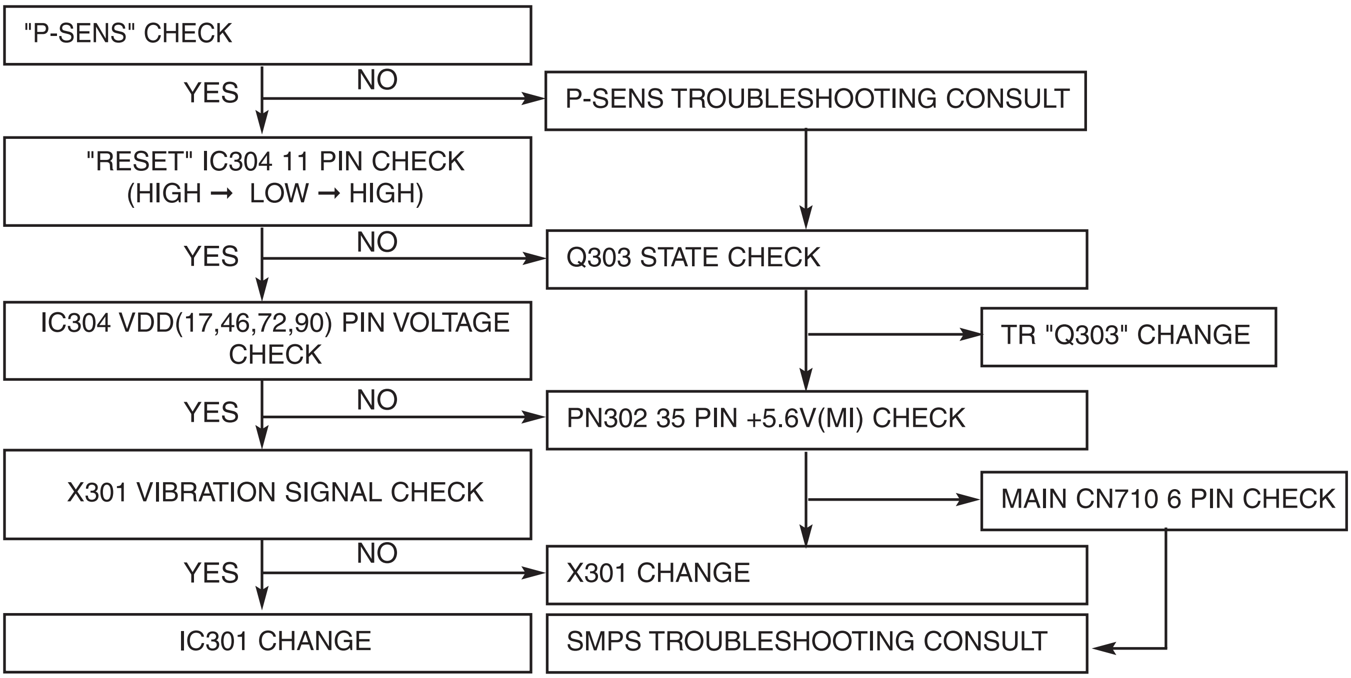
P-SENS PART



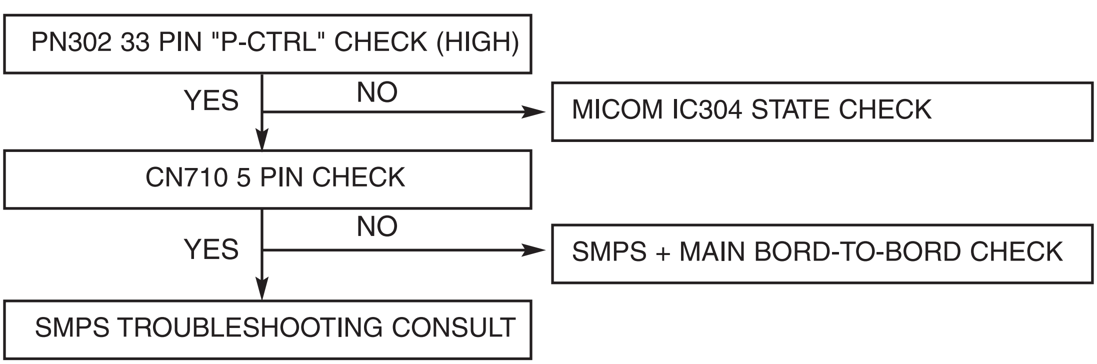
VKK CHECK



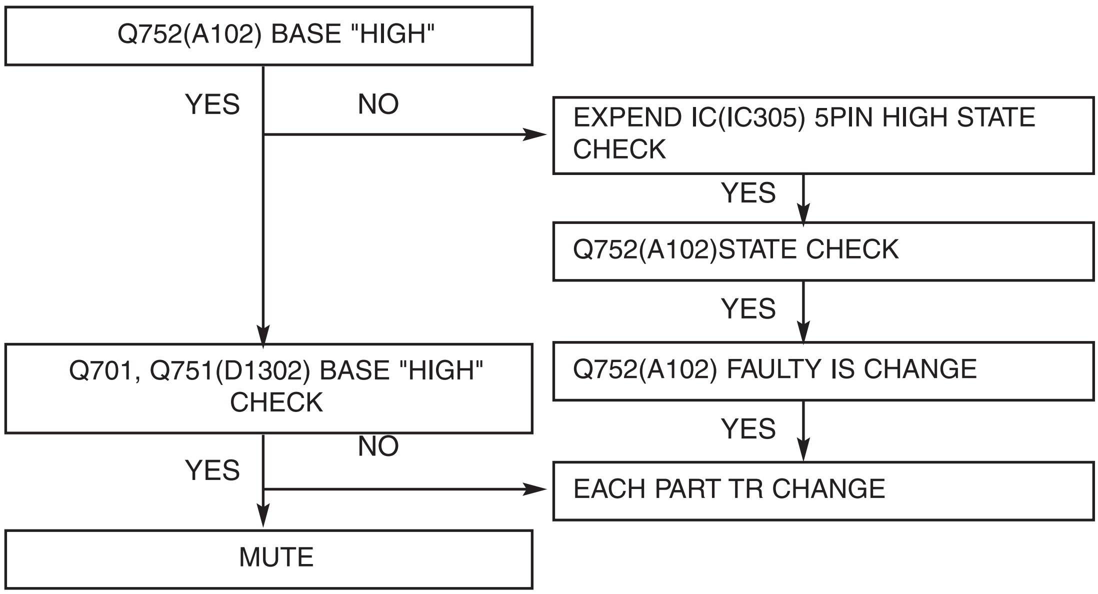
MICOM (IC301) CHECK



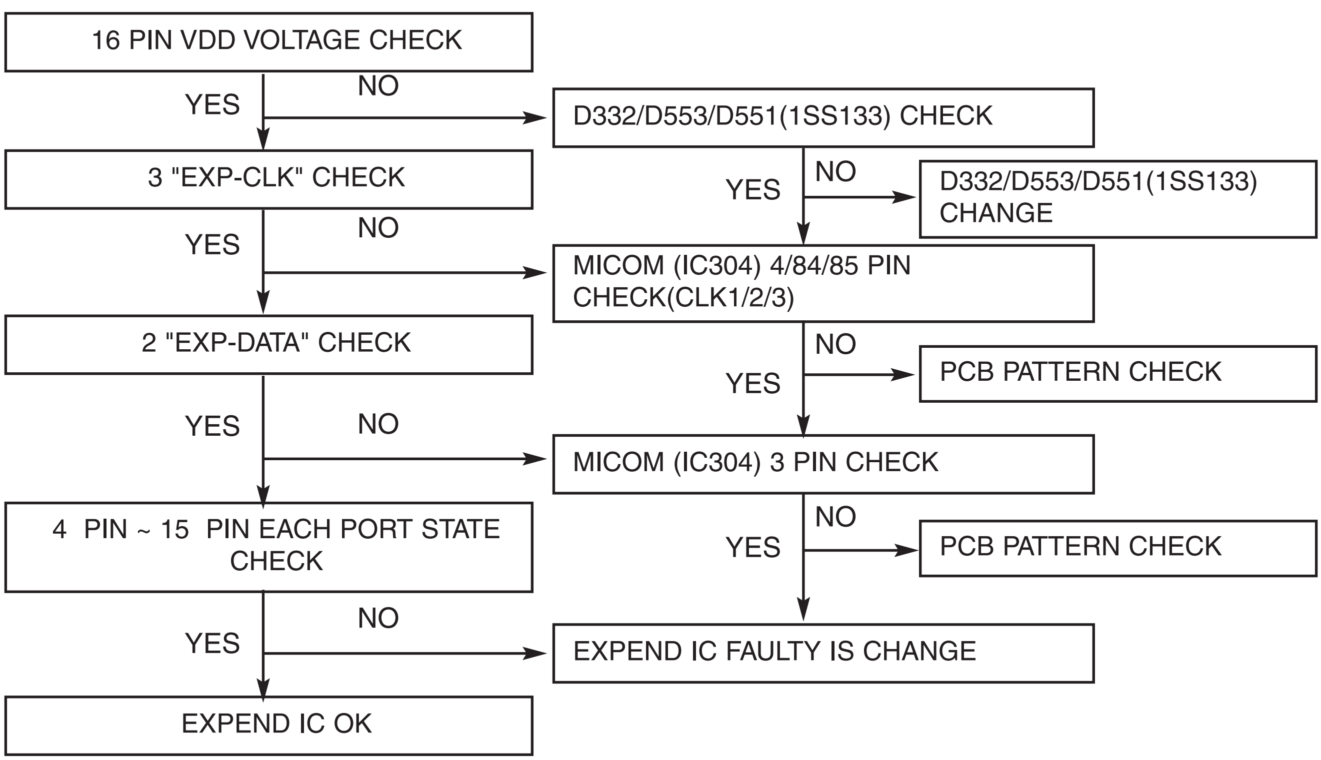
P-CTRL CHECK



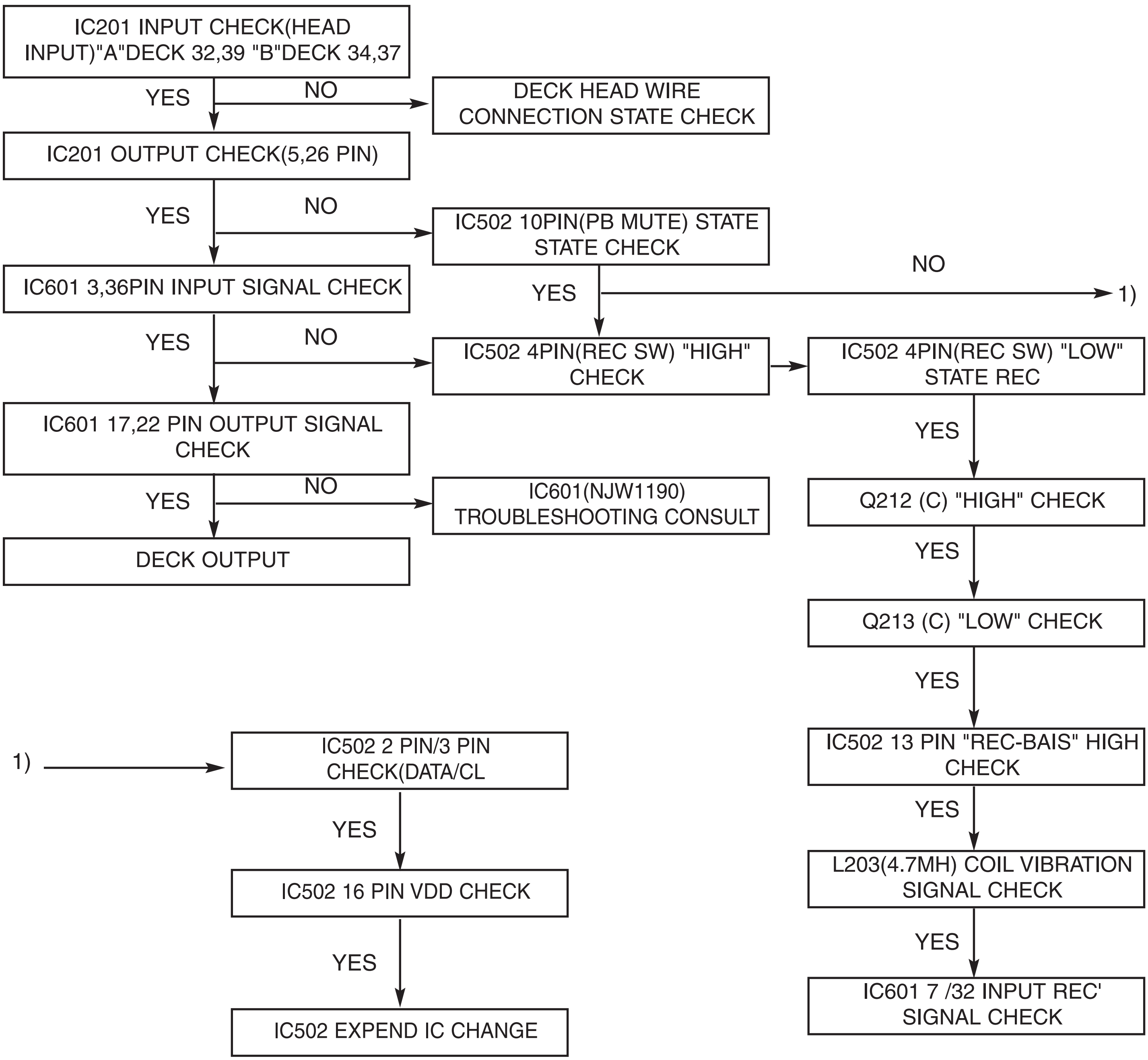
MUTING TROUBLESHOOTING (MUTE STATE)

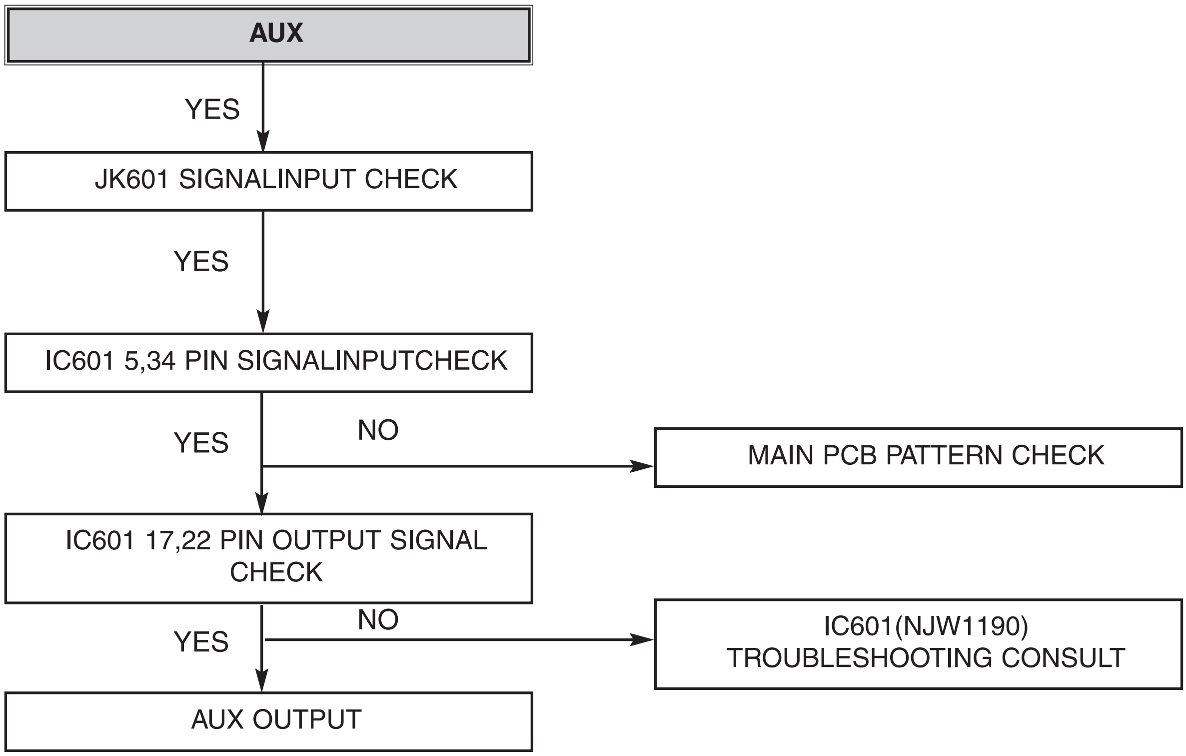


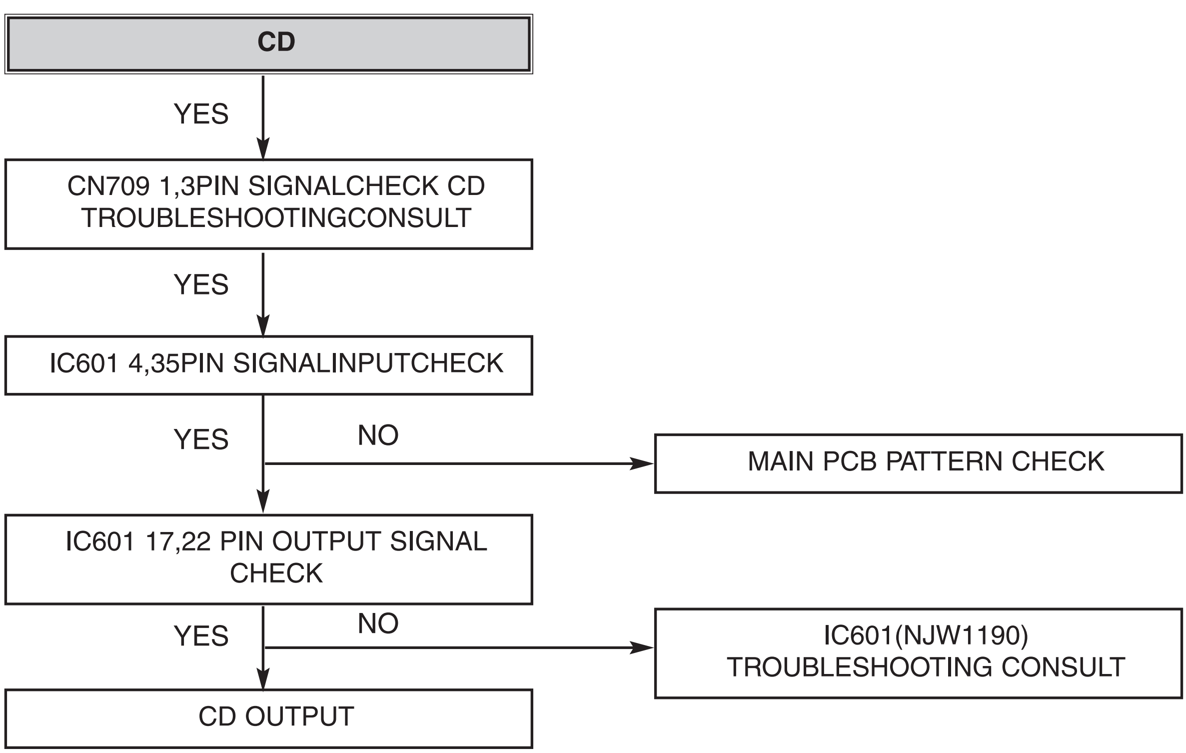
EXPEND IC(IC305/501/502) STATE

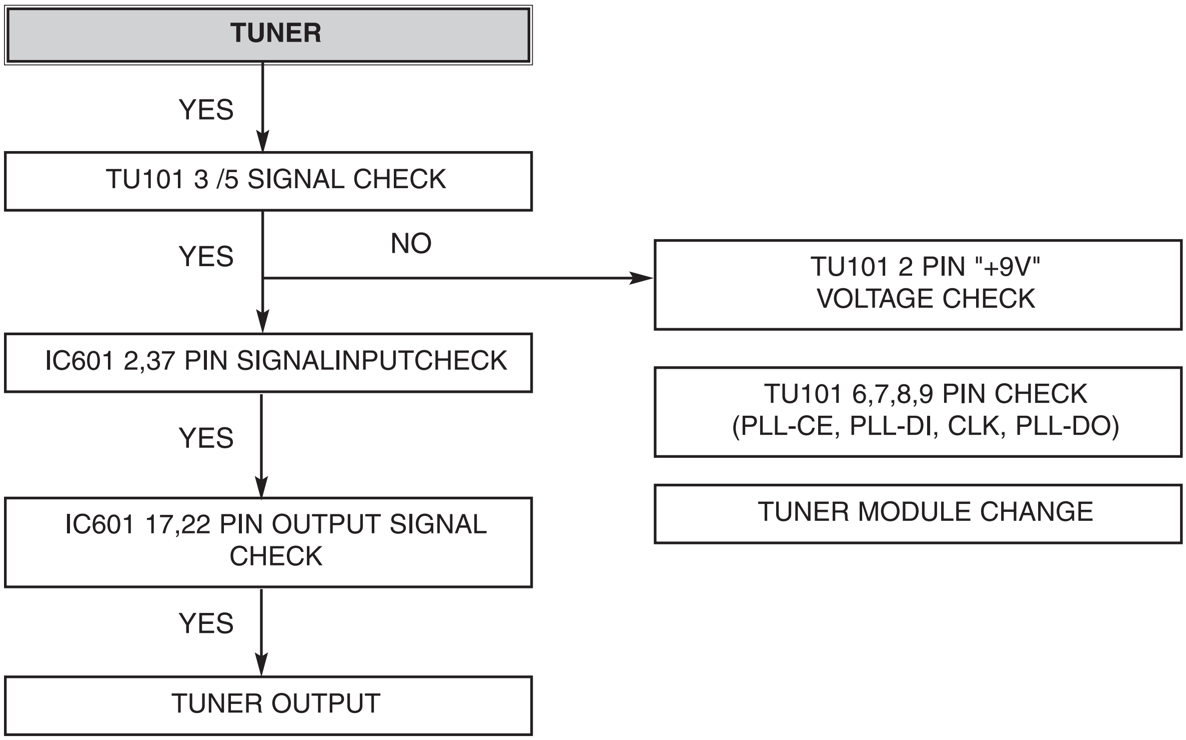


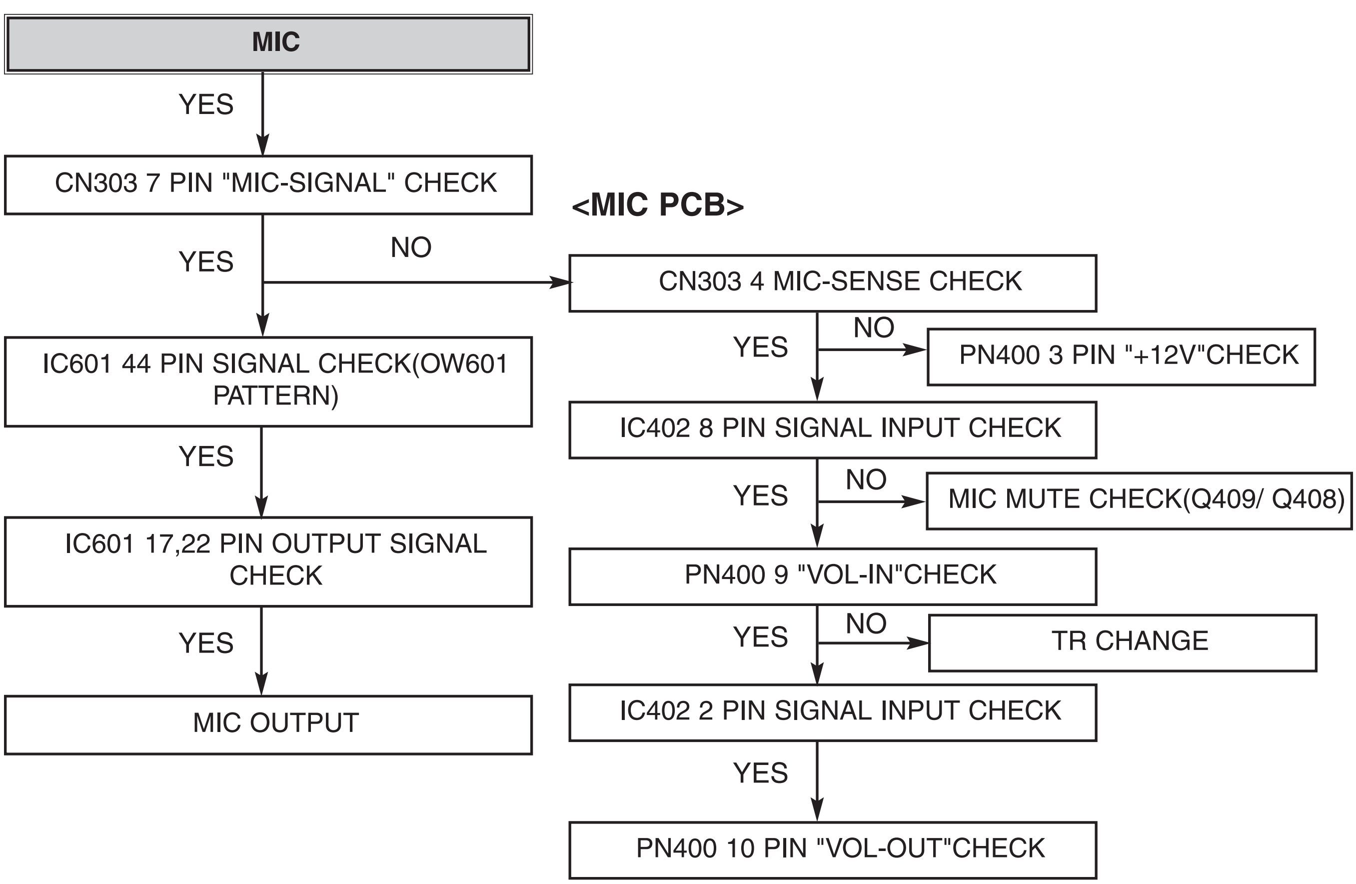
SPECIFIC FUNCTION MODE HAS NO SOUND (NJW1190) IC601



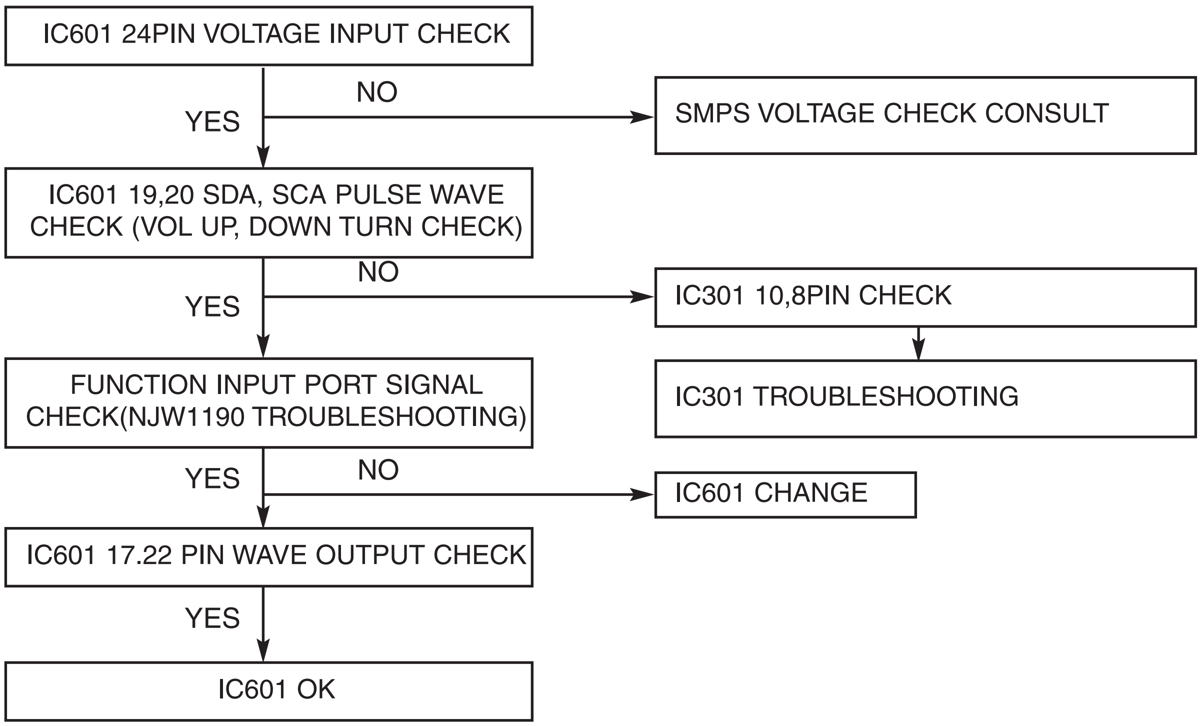

AUX
YES
JK601 SIGNALINPUT CHECK
YES
IC601 5,34 PIN SIGNALINPUTCHECK
YES
NO
MAIN PCB PATTERN CHECK
IC601 17,22 PIN OUTPUT SIGNAL CHECK
YES
NO
IC601(NJW1190) TROUBLESHOOTING CONSULT
AUX OUTPUT


CD
YES
CN709 1,3PIN SIGNALCHECK CD TROUBLESHOOTINGCONSULT
YES
IC601 4,35PIN SIGNALINPUTCHECK
YES
NO
MAIN PCB PATTERN CHECK
IC601 17,22 PIN OUTPUT SIGNAL CHECK
YES
NO
IC601(NJW1190) TROUBLESHOOTING CONSULT
CD OUTPUT

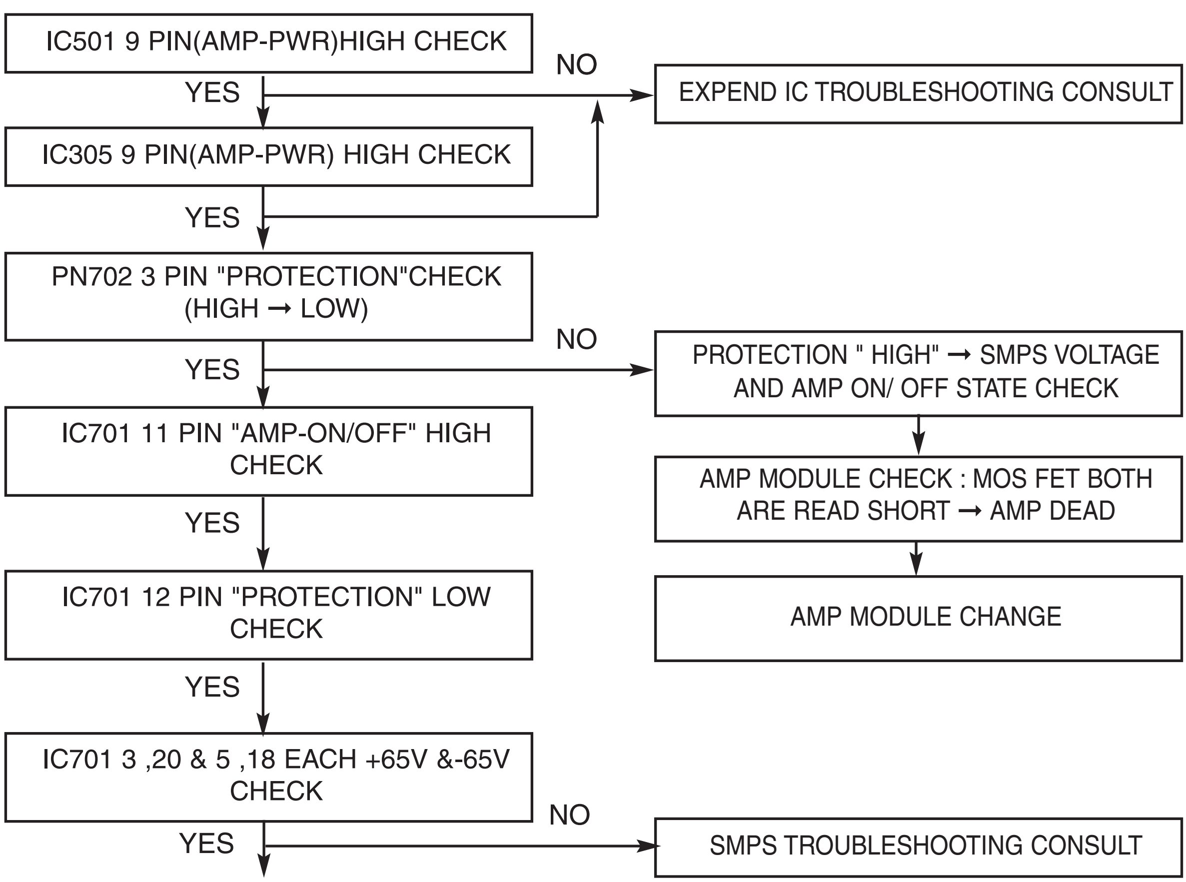

TUNER
YES
TU101 3 /5 SIGNAL CHECK
YES
NO
TU101 2 PIN "+9V" VOLTAGE CHECK
IC601 2,37 PIN SIGNALINPUTCHECK
TU101 6,7,8,9 PIN CHECK (PLL-CE, PLL-DI, CLK, PLL-DO)
YES
TUNER MODULE CHANGE
IC601 17,22 PIN OUTPUT SIGNAL CHECK
YES
TUNER OUTPUT

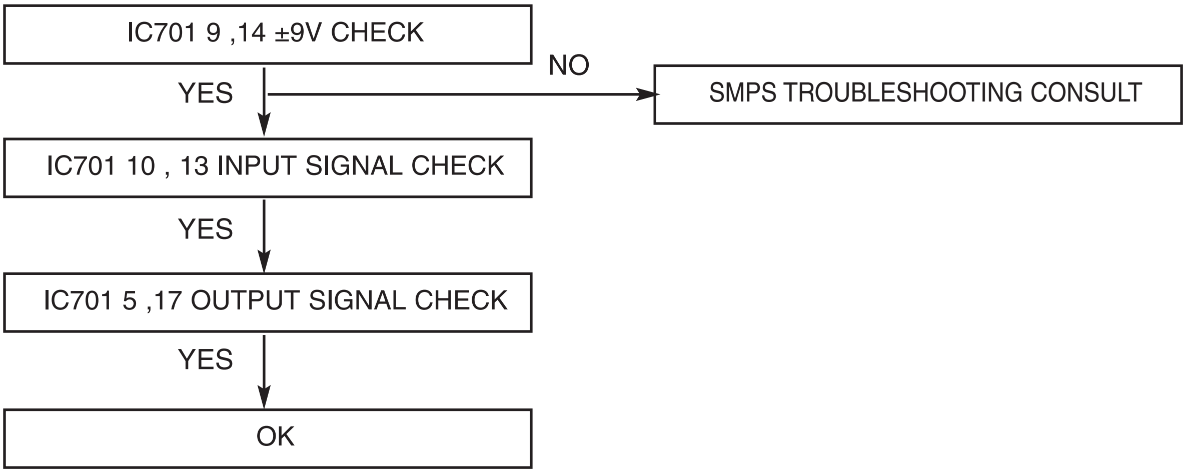

MIC
YES
CN303 7 PIN "MIC-SIGNAL" CHECK
<MIC PCB>
YES
NO
CN303 4 MIC-SENSE CHECK
YES
NO
PN400 3 PIN "+12V"CHECK
IC601 44 PIN SIGNAL CHECK(OW601 PATTERN)
IC402 8 PIN SIGNAL INPUT CHECK
YES
YES
NO
MIC MUTE CHECK(Q409/ Q408)
IC601 17,22 PIN OUTPUT SIGNAL CHECK
PN400 9 "VOL-IN"CHECK
YES
NO
TR CHANGE
YES
IC402 2 PIN SIGNAL INPUT CHECK
MIC OUTPUT
YES
PN400 10 PIN "VOL-OUT"CHECK

IC601(NJW1190) TROUBLESHOOTING

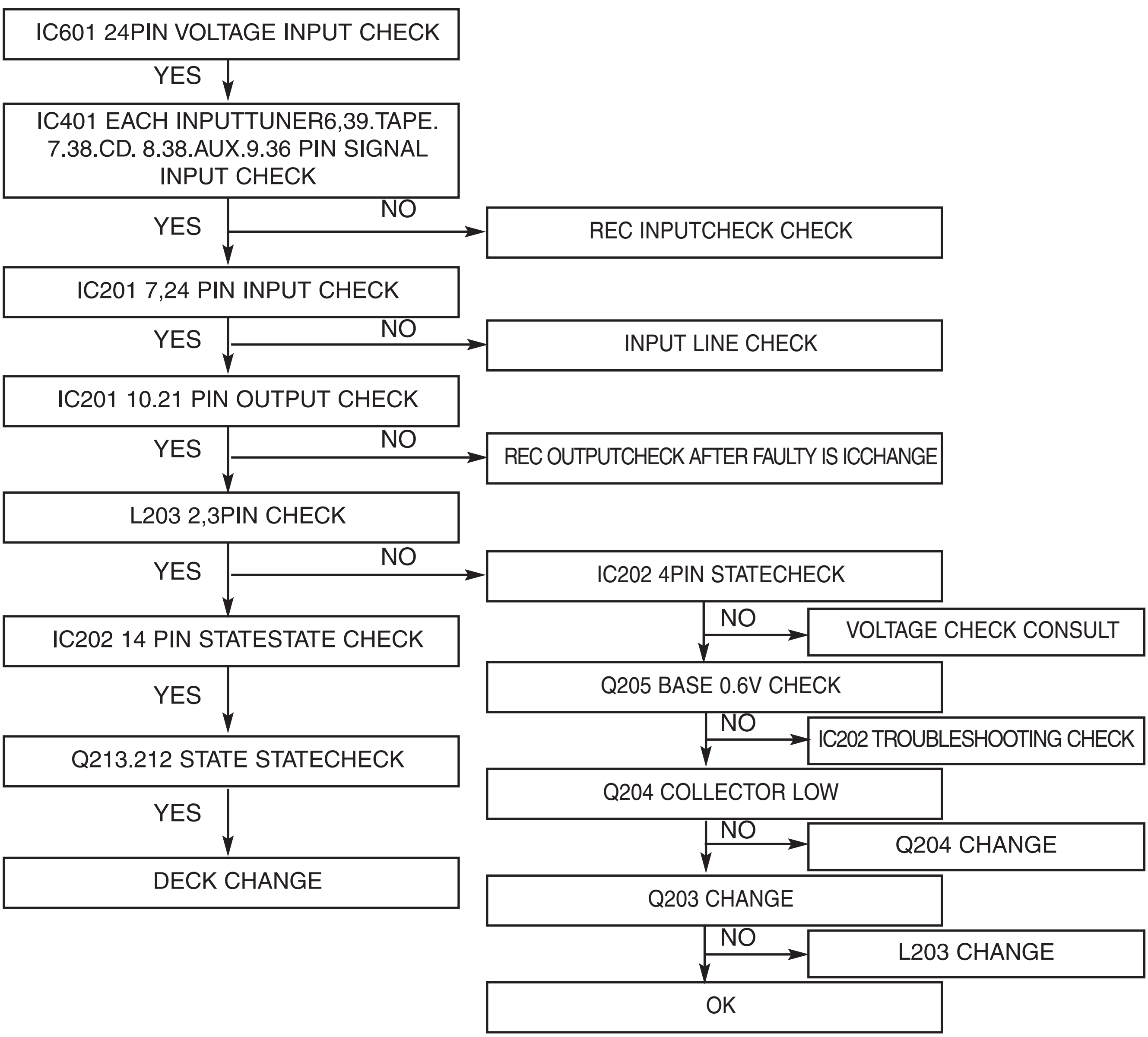


AMP MODULE TROUBLESHOOTING

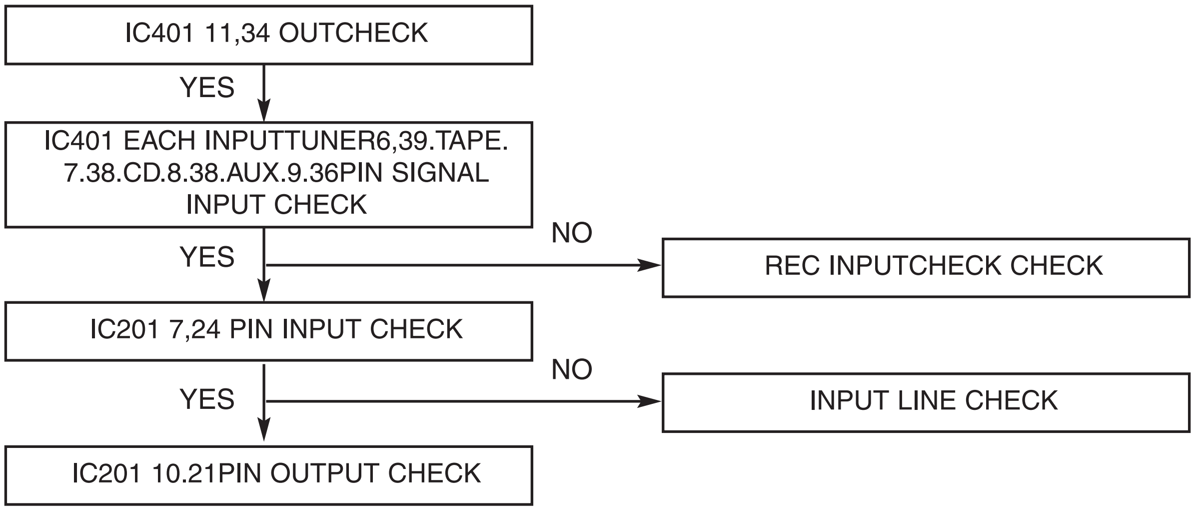




REC CHECK (Q252,Q202 ON :R273,R223 HIGH)



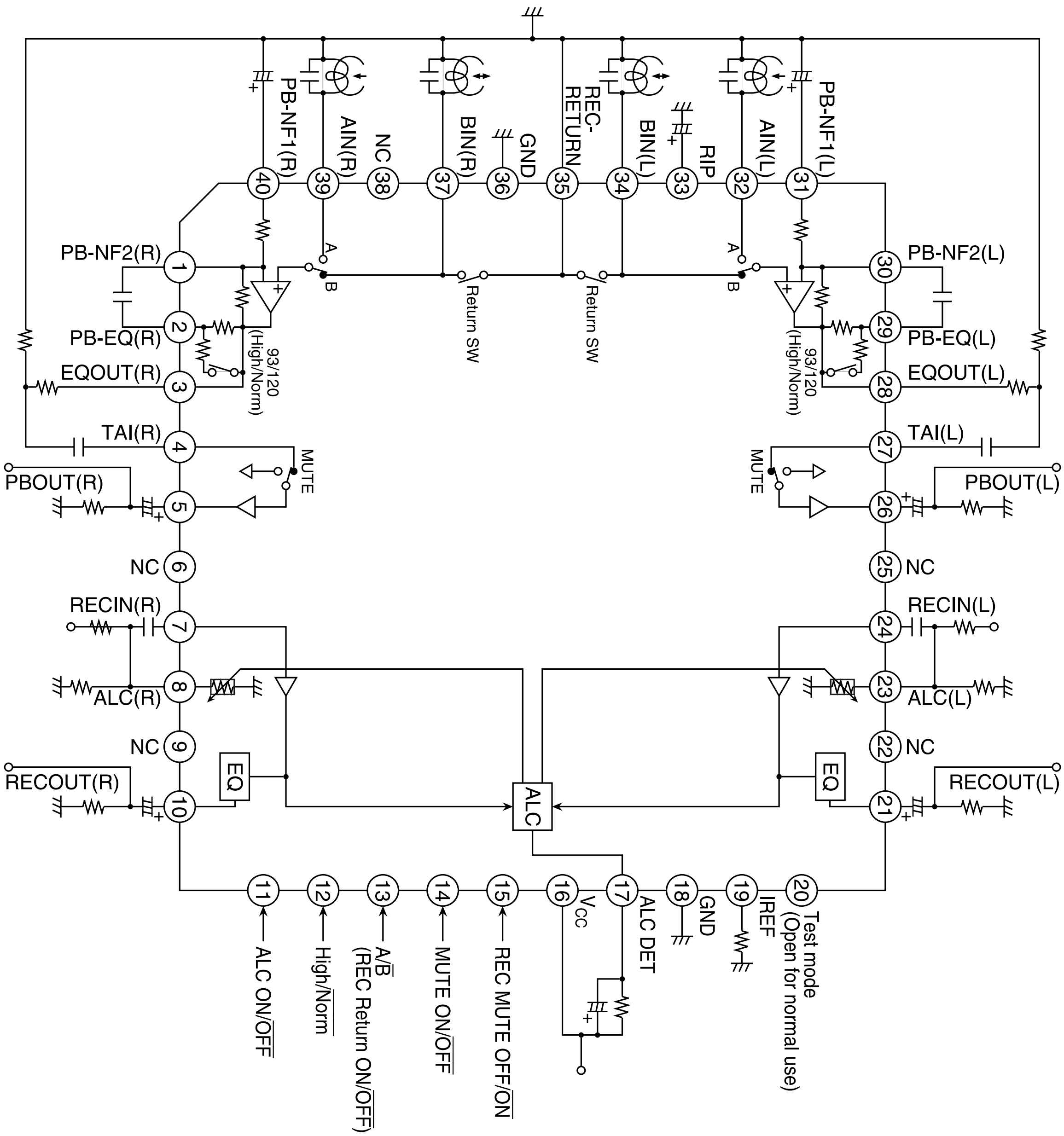
DUBBING CHECK ("NORMAL OR REC"//"HIGH")



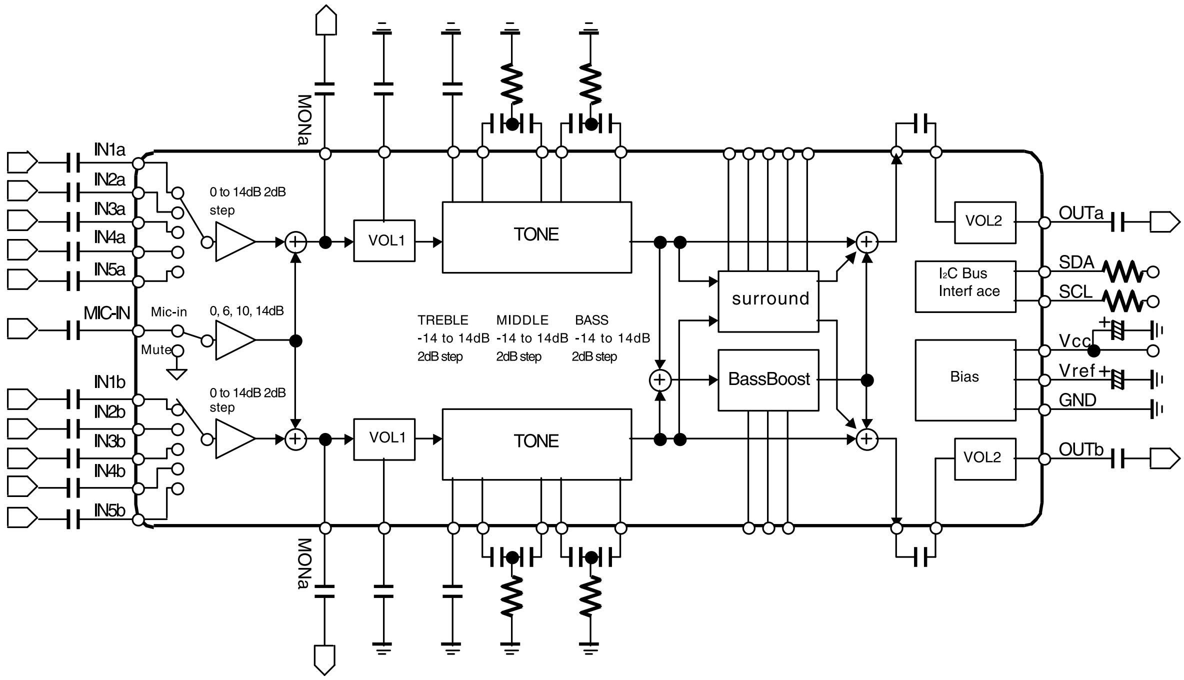
❑ INTERNAL BLOCK DIAGRAM of ICs

• HA12237F

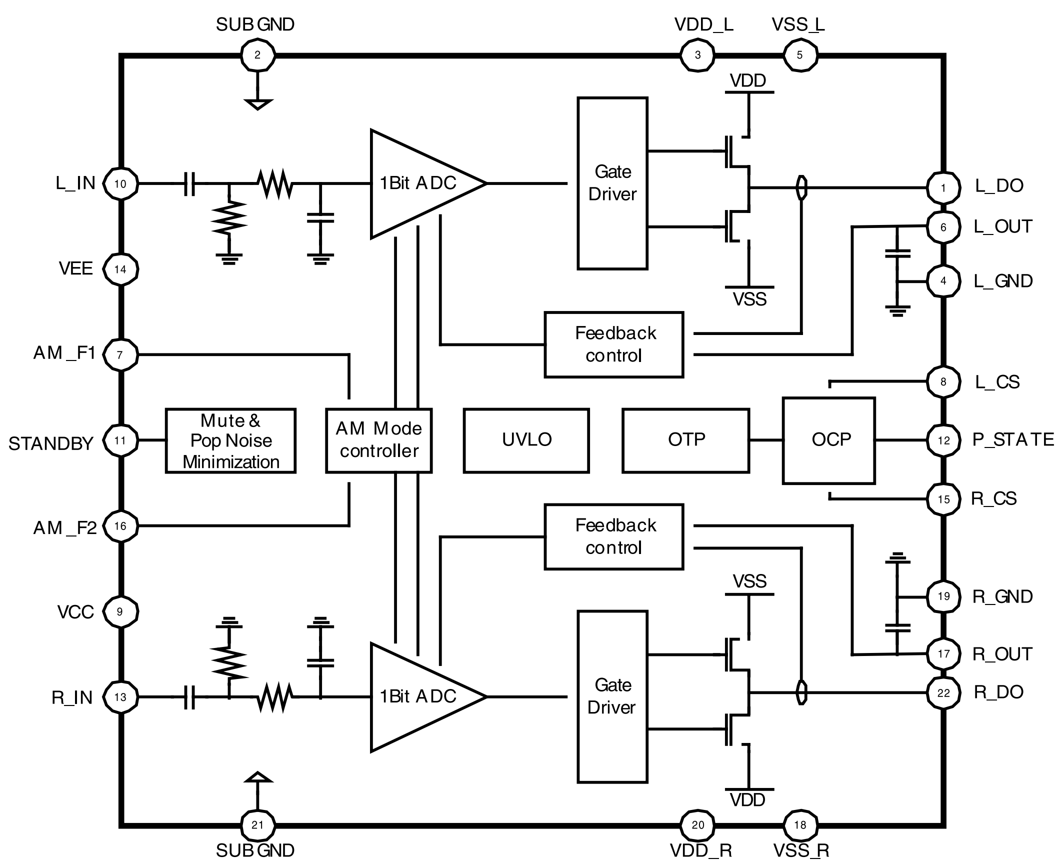
BLOCK DIAGRAM



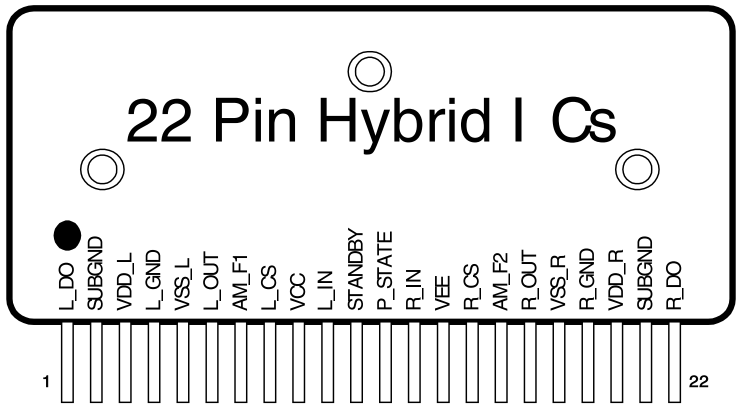
• NJW1190
BLOCK DIAGRAM



• AF330W20FS
BLOCK DIAGRAM



PIN CONFIGURATION

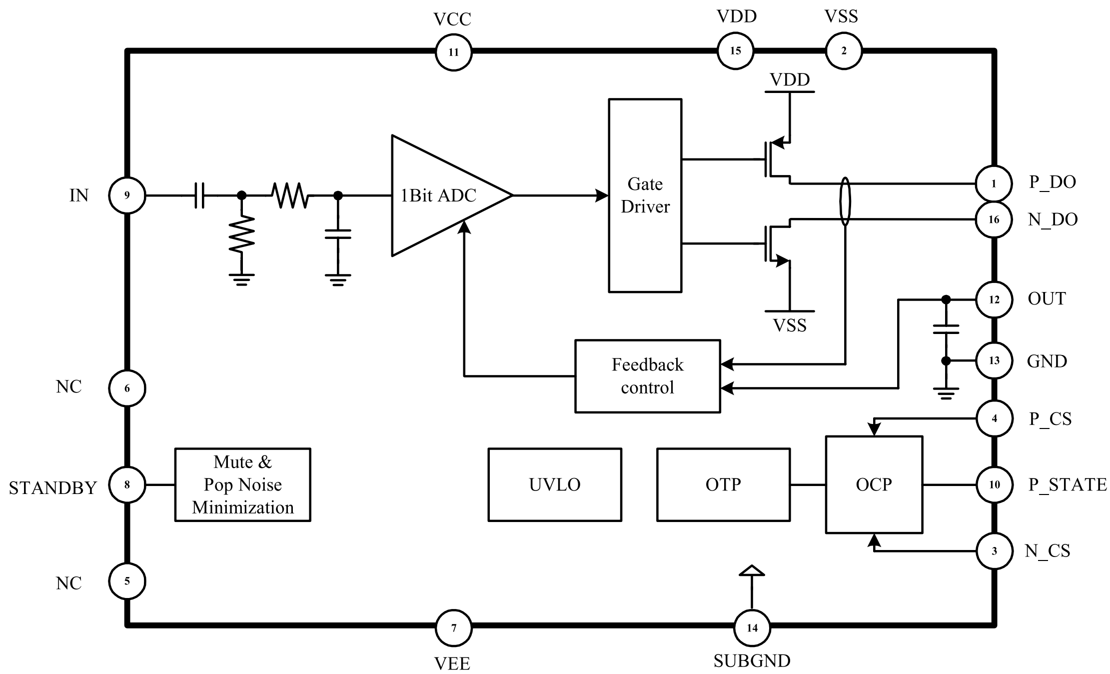


PIN DESCRIPTION

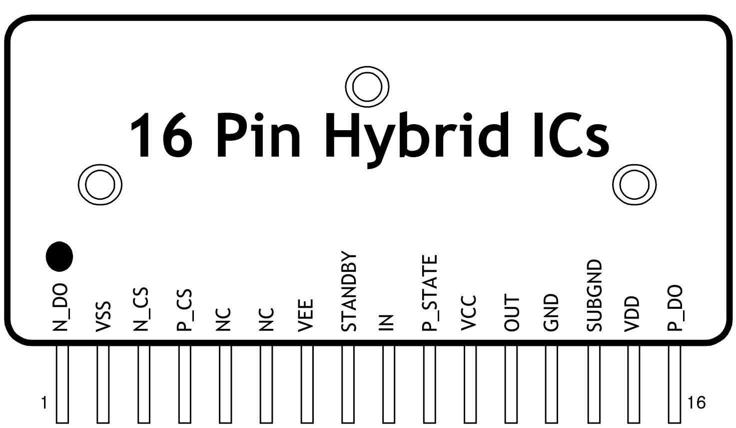
Pin Number	Symbol	Type	Description
1	L_DO	O	L-Channel Drain Output
2	SUBGND	G	Sub Ground
3	VDD_L	P	L-Channel Positive supply Voltage
4	L_GND	P	L-Channel Signal Ground
5	VSS_L	O	L-Channel Negative supply Voltage
6	L_OUT	G	L-Channel Audio Output
7	AM_F1	I	AM Mode control Input 1
8	L_CS	I	L-Channel Current Sense Input
9	VCC	P	Positive supply Voltage
10	L_IN	I	L-Channel Audio Input
11	STANDBY	I	ON/OFF control
12	P_STATE	O	Protection State
13	R_IN	I	R-Channel Audio Input
14	VEE	P	Negative supply Voltage
15	R_CS	I	R-Channel Current Sense Input
16	AM_F2	I	AM Mode control Input 2
17	R_OUT	G	R-Channel Audio Output
18	VSS_R	O	R-Channel Negative supply Voltage
19	R_GND	P	R-Channel Signal Ground
20	VDD_R	P	R-Channel Positive supply Voltage
21	SUBGND	G	Sub Ground
22	R_DO	O	R-Channel Drain Output

• AF350W01FS

BLOCK DIAGRAM



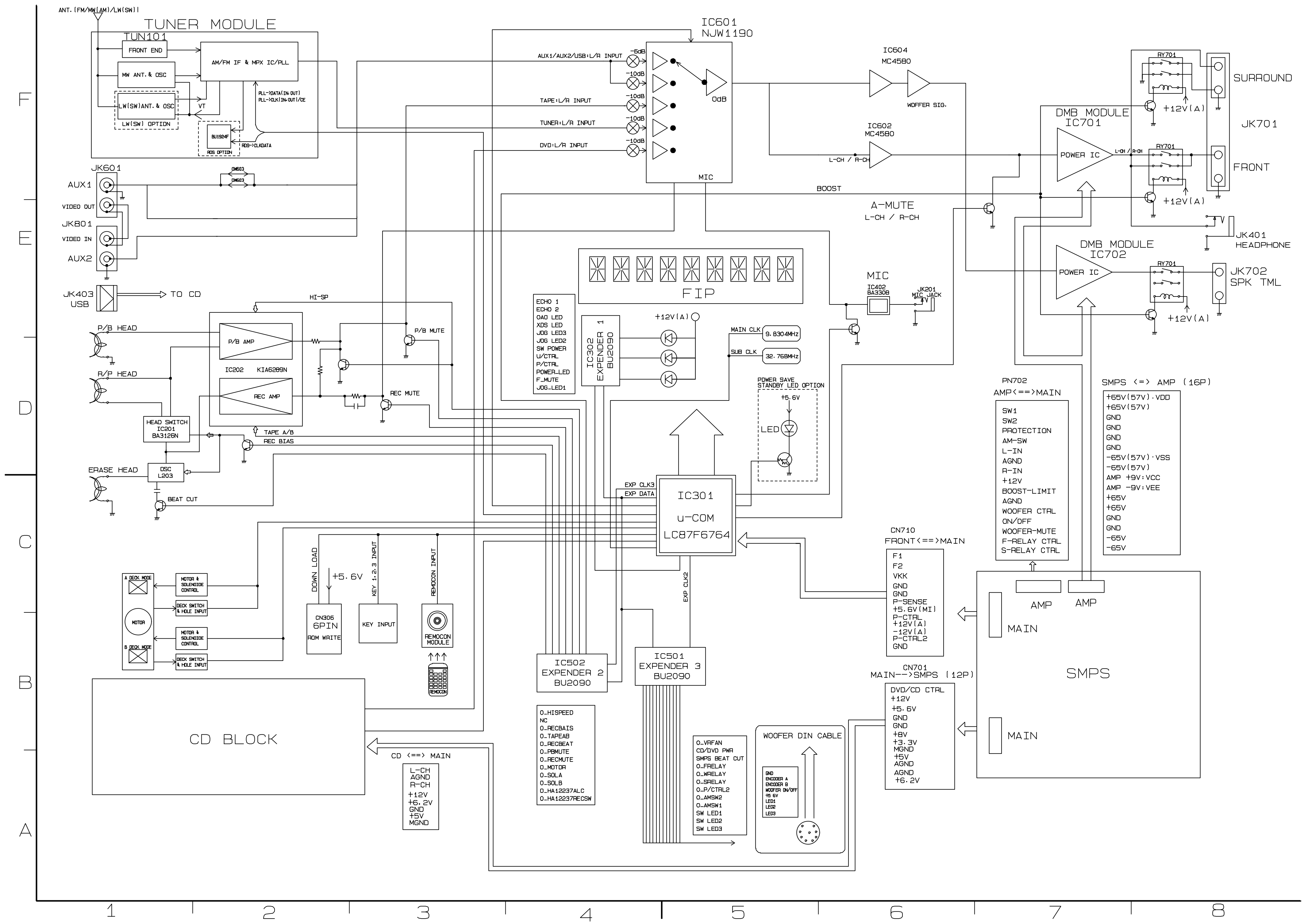
PIN CONFIGURATION



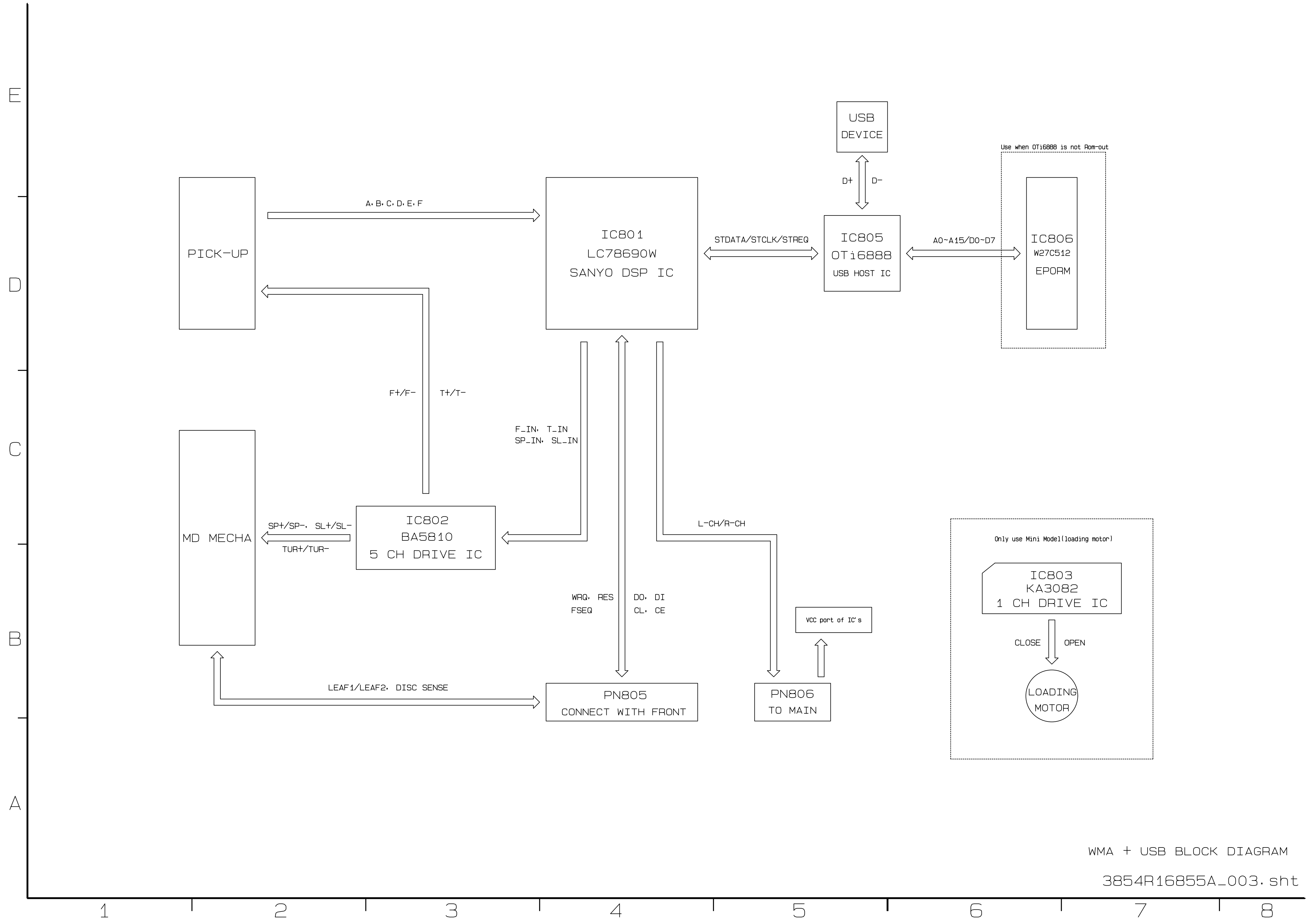
PIN DESCRIPTION

Pin Number	Symbol	Type	Description
1	N_DO	O	NMOS Drain Output
2	VSS	P	Negative supply Voltage
3	N_CS	I	NMOS Current Sense Input
4	P_CS	I	PMOS Current Sense Input
5	NC		
6	NC		
7	VEE	P	Negative supply Voltage
8	STANDBY	I	ON/OFF control
9	IN	I	Audio Input
10	P_STATE	O	Protection State
11	VCC	P	Positive supply Voltage
12	OUT	O	Audio Output
13	GND	G	Signal Ground
14	SUBGND	G	Sub Ground
15	VDD	P	Positive supply Voltage
16	P_DO	O	PMOS Drain Output

❏ BLOCK DIAGRAM



❑ WMA_USB BLOCK DIAGRAM

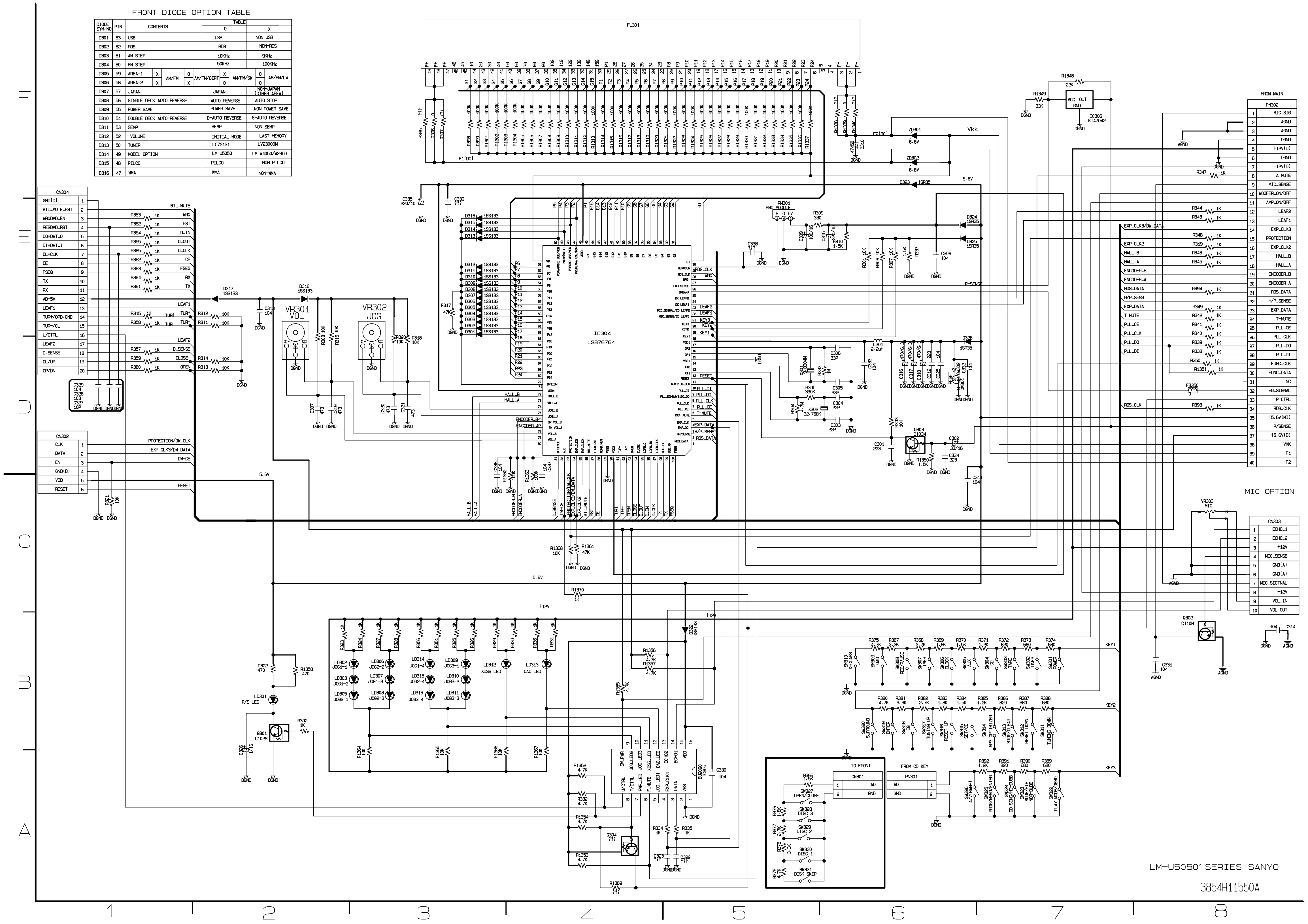


❑ SCHEMATIC DIAGRAMS

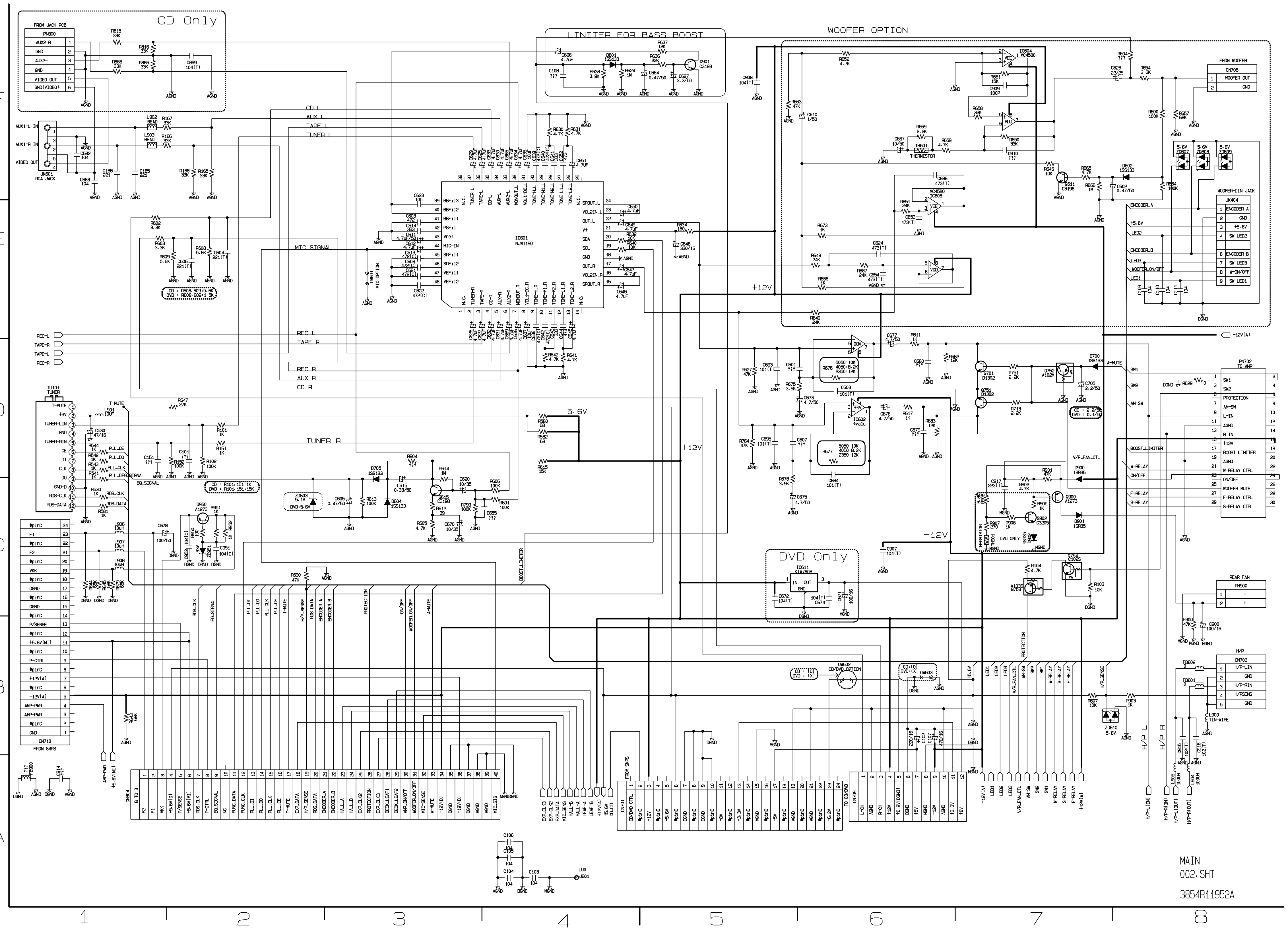
• FRONT SCHEMATIC DIAGRAM

FRONT DIODE OPTION TABLE

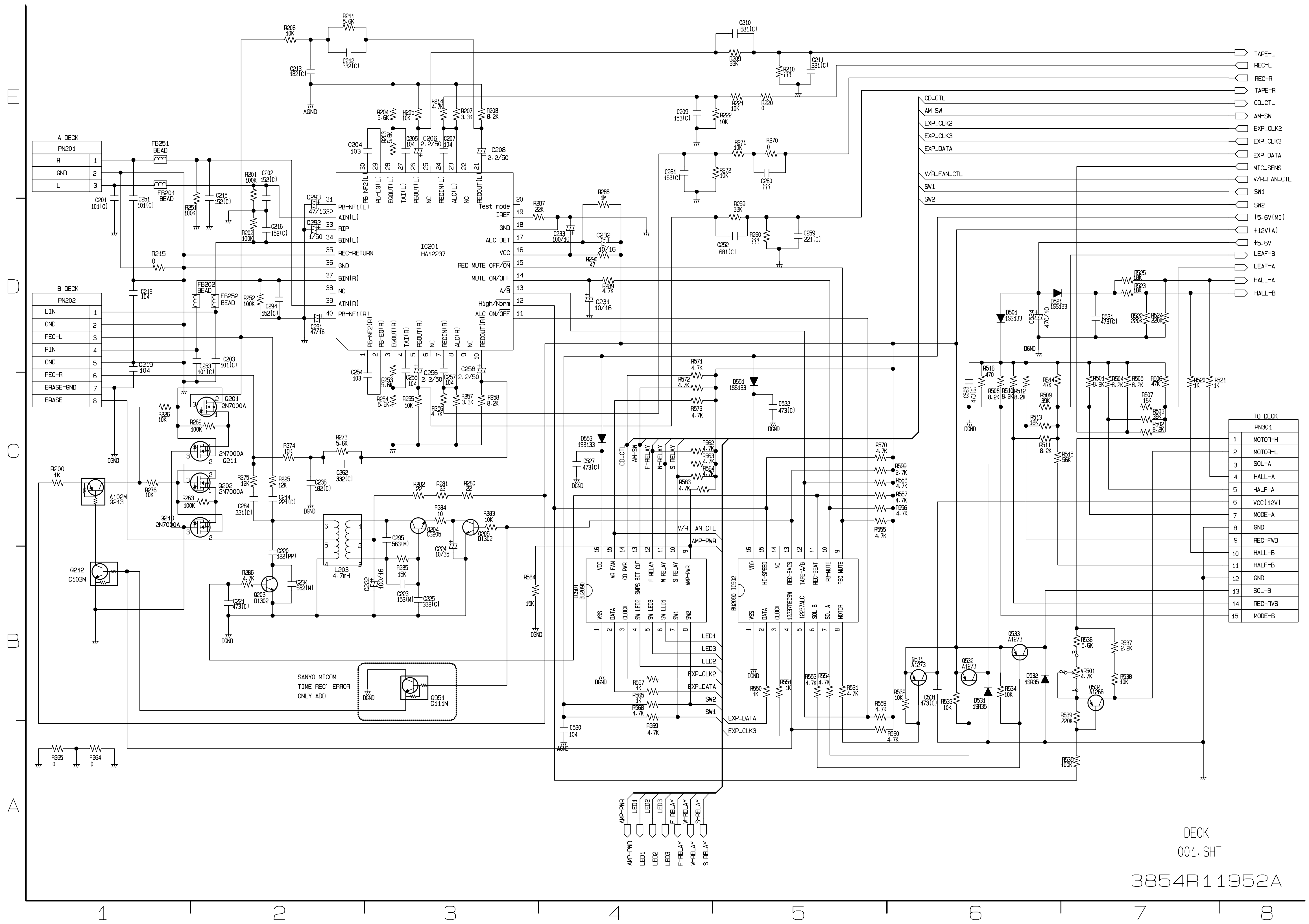
<table>
<tr><th rowspan="2">DIODE SYM.NO</th><th rowspan="2">PIN</th><th rowspan="2" colspan="2">CONTENTS</th><th colspan="4">TABLE O</th><th colspan="4">X</th></tr>
<tr><th colspan="4">O</th><th colspan="4">X</th></tr>
<tr><td>D301</td><td>63</td><td colspan="2">USB</td><td colspan="4">USB</td><td colspan="4">NON USB</td></tr>
<tr><td>D302</td><td>62</td><td colspan="2">RDS</td><td colspan="4">RDS</td><td colspan="4">NON-RDS</td></tr>
<tr><td>D303</td><td>61</td><td colspan="2">AM STEP</td><td colspan="4">10KHz</td><td colspan="4">9KHz</td></tr>
<tr><td>D304</td><td>60</td><td colspan="2">FM STEP</td><td colspan="4">50KHz</td><td colspan="4">100KHz</td></tr>
<tr><td>D305</td><td>59</td><td>AREA-1</td><td>X</td><td rowspan="2">AM/FM</td><td>O</td><td rowspan="2">AM/FM/OIRT</td><td>X</td><td rowspan="2">AM/FM/SW</td><td>O</td><td rowspan="2" colspan="2">AM/FM/LW</td></tr>
<tr><td>D306</td><td>58</td><td>AREA-2</td><td>X</td><td>X</td><td>O</td><td>O</td></tr>
<tr><td>D307</td><td>57</td><td colspan="2">JAPAN</td><td colspan="4">JAPAN</td><td colspan="4">NON-JAPAN (OTHER AREA)</td></tr>
<tr><td>D308</td><td>56</td><td colspan="2">SINGLE DECK AUTO-REVERSE</td><td colspan="4">AUTO REVERSE</td><td colspan="4">AUTO STOP</td></tr>
<tr><td>D309</td><td>55</td><td colspan="2">POWER SAVE</td><td colspan="4">POWER SAVE</td><td colspan="4">NON POWER SAVE</td></tr>
<tr><td>D310</td><td>54</td><td colspan="2">DOUBLE DECK AUTO-REVERSE</td><td colspan="4">D-AUTO REVERSE</td><td colspan="4">S-AUTO REVERSE</td></tr>
<tr><td>D311</td><td>53</td><td colspan="2">SEMP</td><td colspan="4">SEMP</td><td colspan="4">NON SEMP</td></tr>
<tr><td>D312</td><td>52</td><td colspan="2">VOLUME</td><td colspan="4">INITIAL MODE</td><td colspan="4">LAST MEMORY</td></tr>
<tr><td>D313</td><td>50</td><td colspan="2">TUNER</td><td colspan="4">LC72131</td><td colspan="4">LV23000M</td></tr>
<tr><td>D314</td><td>49</td><td colspan="2">MODEL OPTION</td><td colspan="4">LM-U5050</td><td colspan="4">LM-W4050/W2350</td></tr>
<tr><td>D315</td><td>48</td><td colspan="2">PILCO</td><td colspan="4">PILCO</td><td colspan="4">NON PILCO</td></tr>
<tr><td>D316</td><td>47</td><td colspan="2">WMA</td><td colspan="4">WMA</td><td colspan="4">NON-WMA</td></tr>
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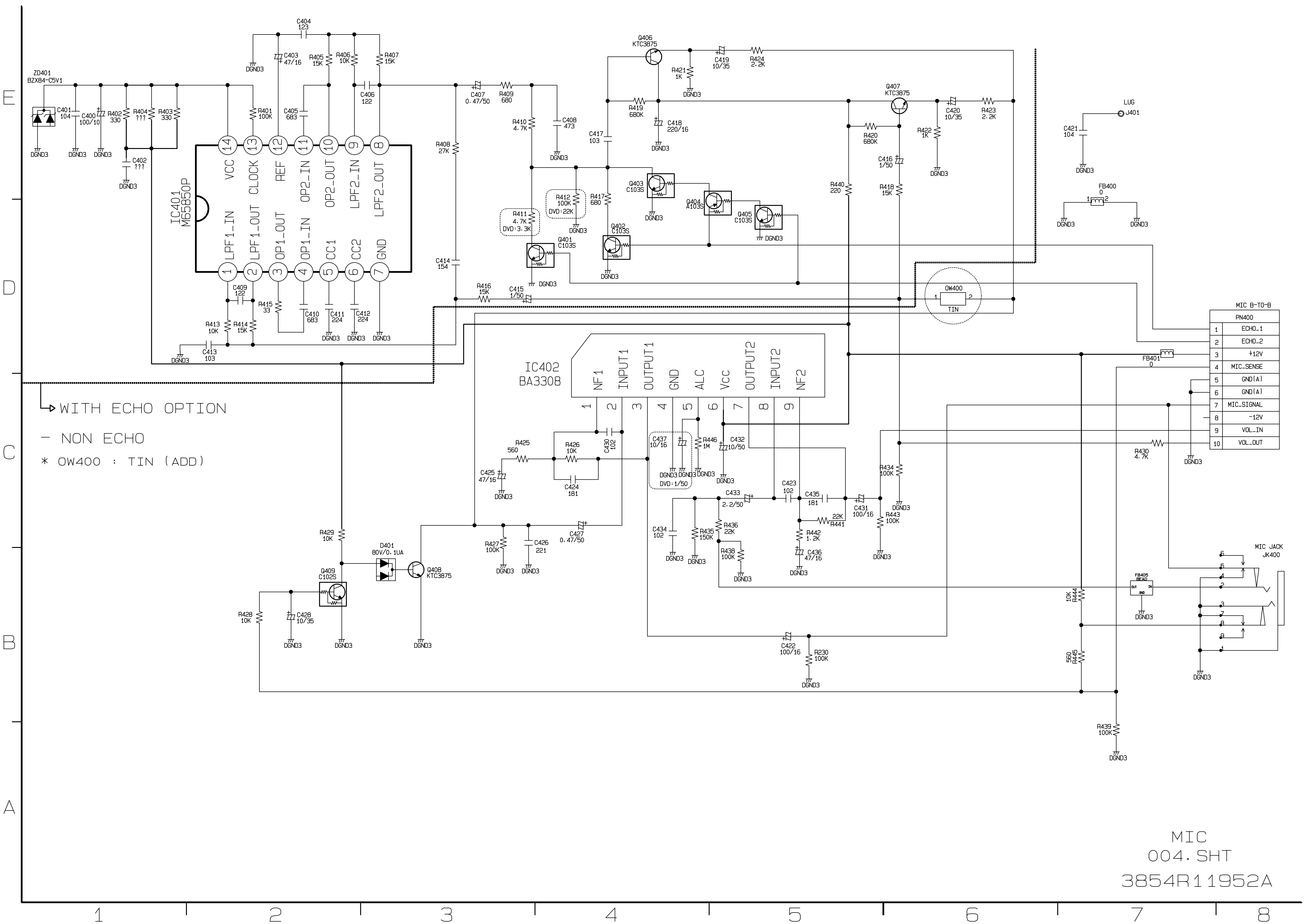
• MAIN SCHEMATIC DIAGRAM



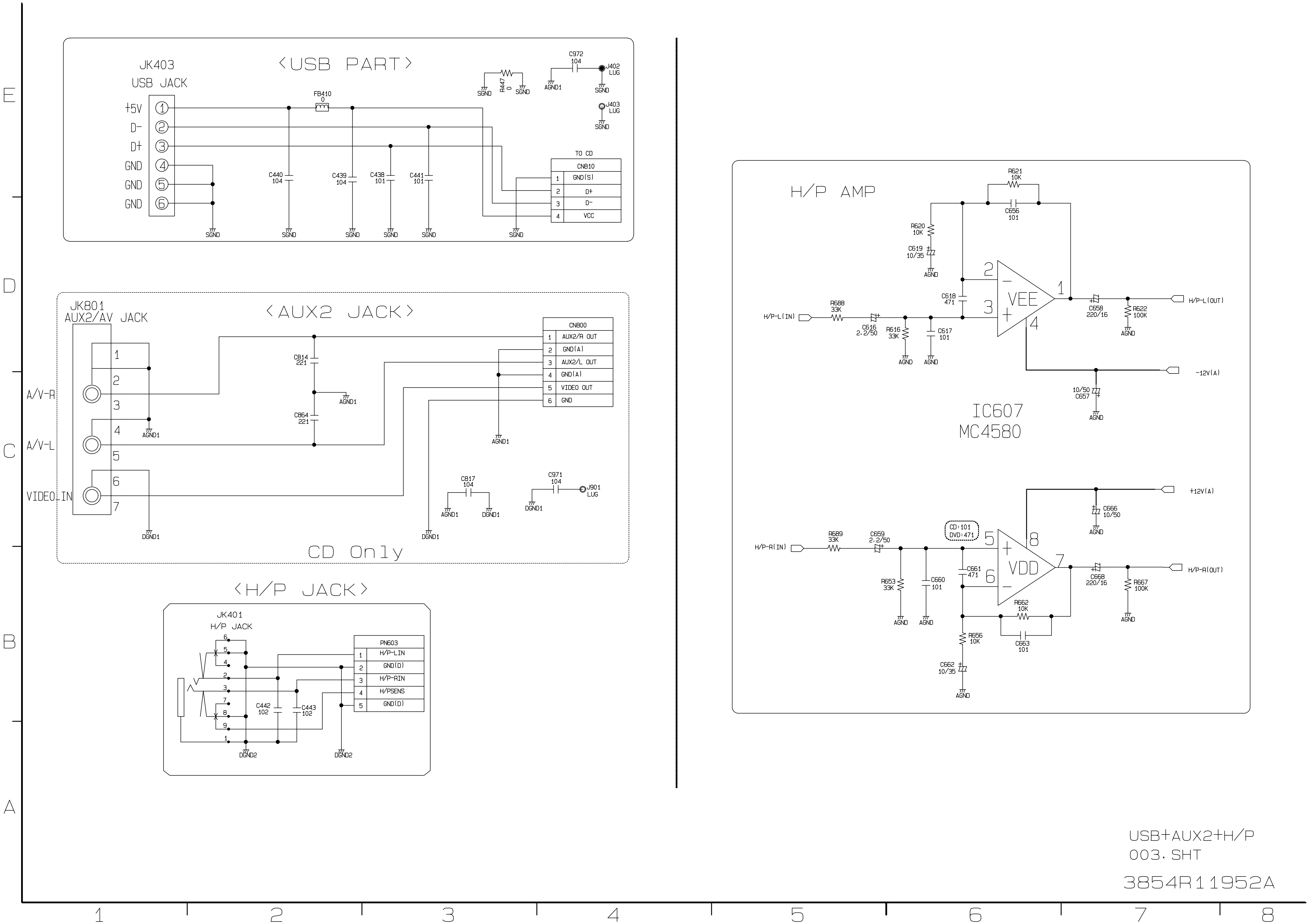
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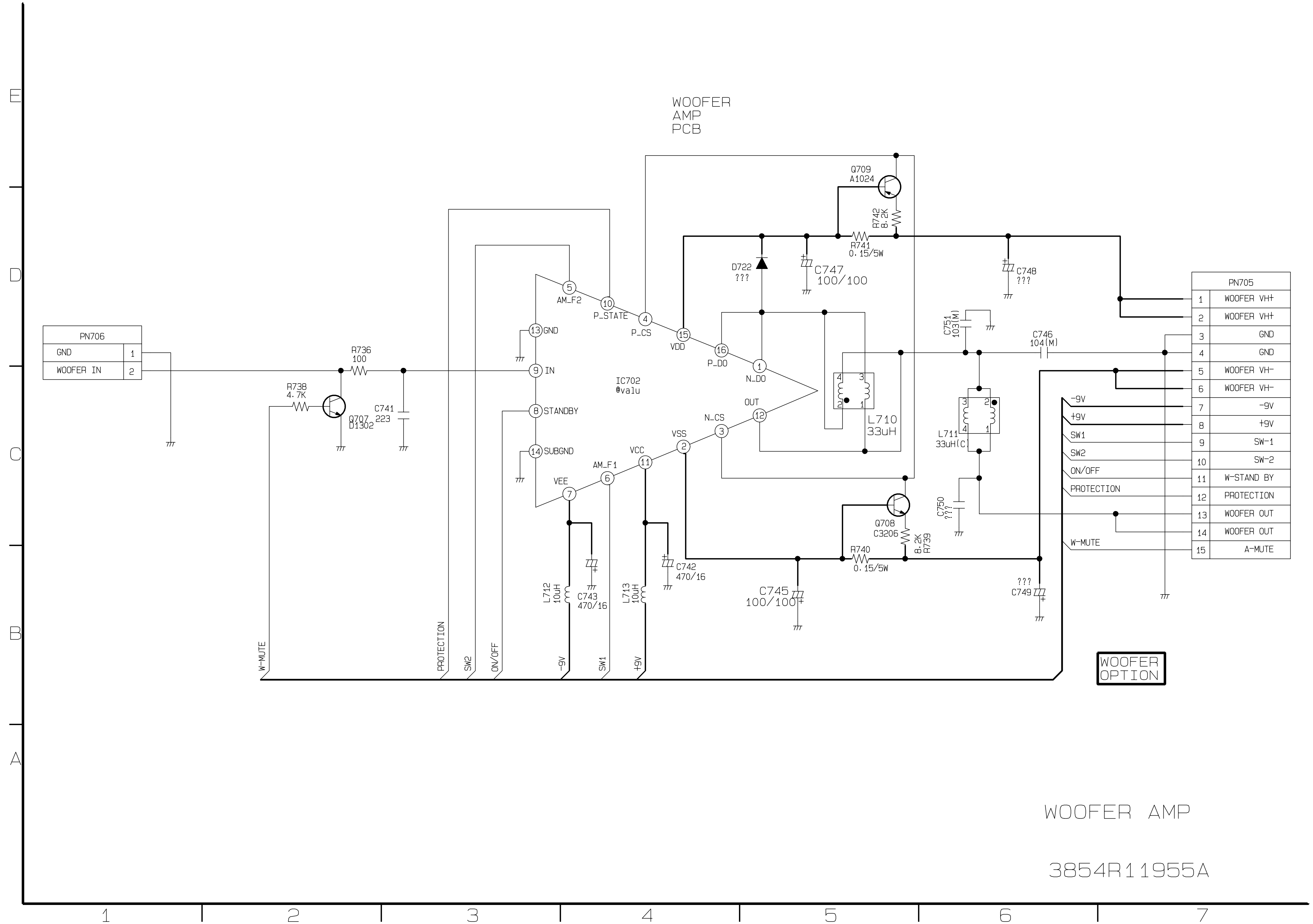
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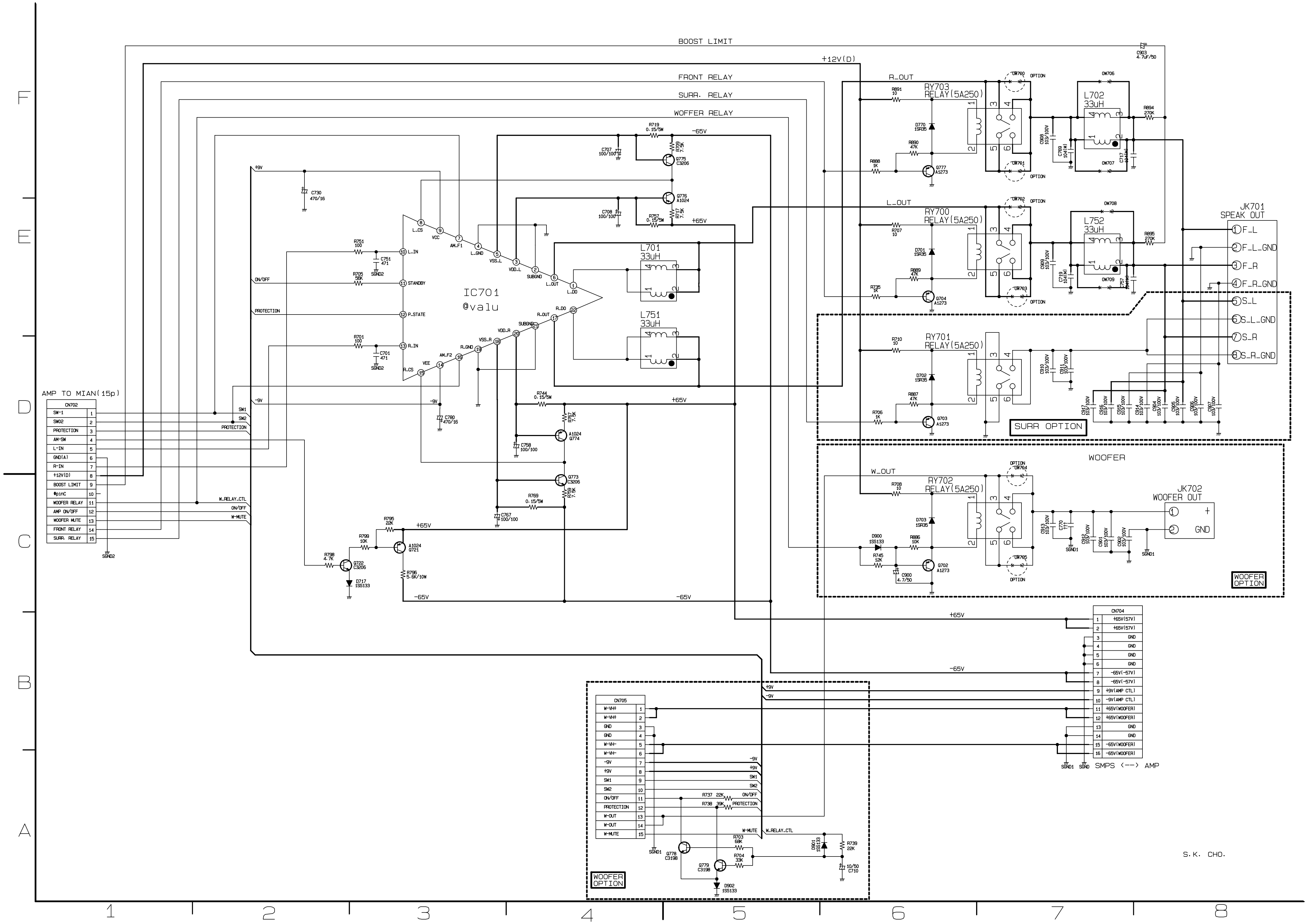
• USB_AUX2_H/P SCHEMATIC DIAGRAM



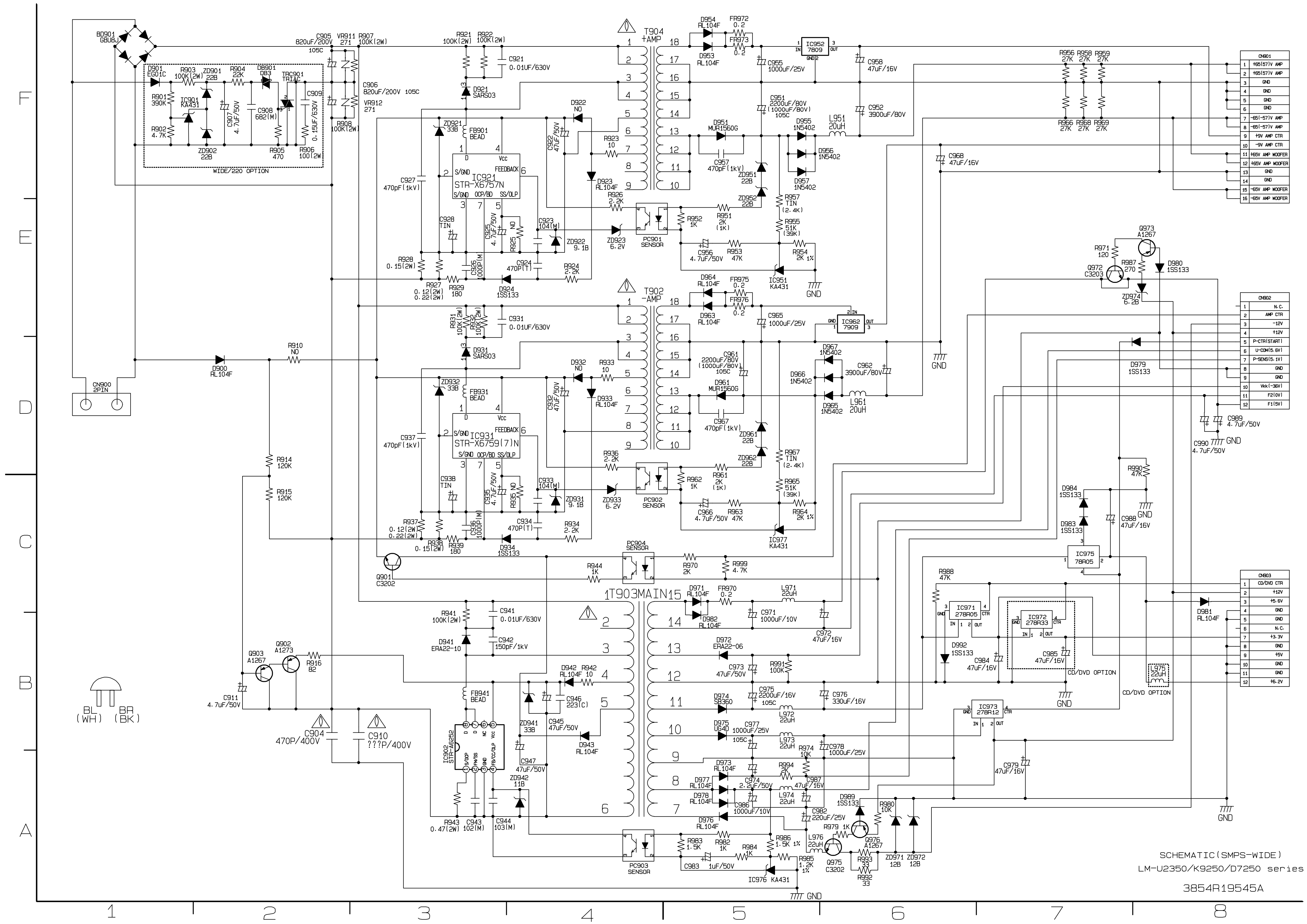
• WOOFER AMP SCHEMATIC DIAGRAM



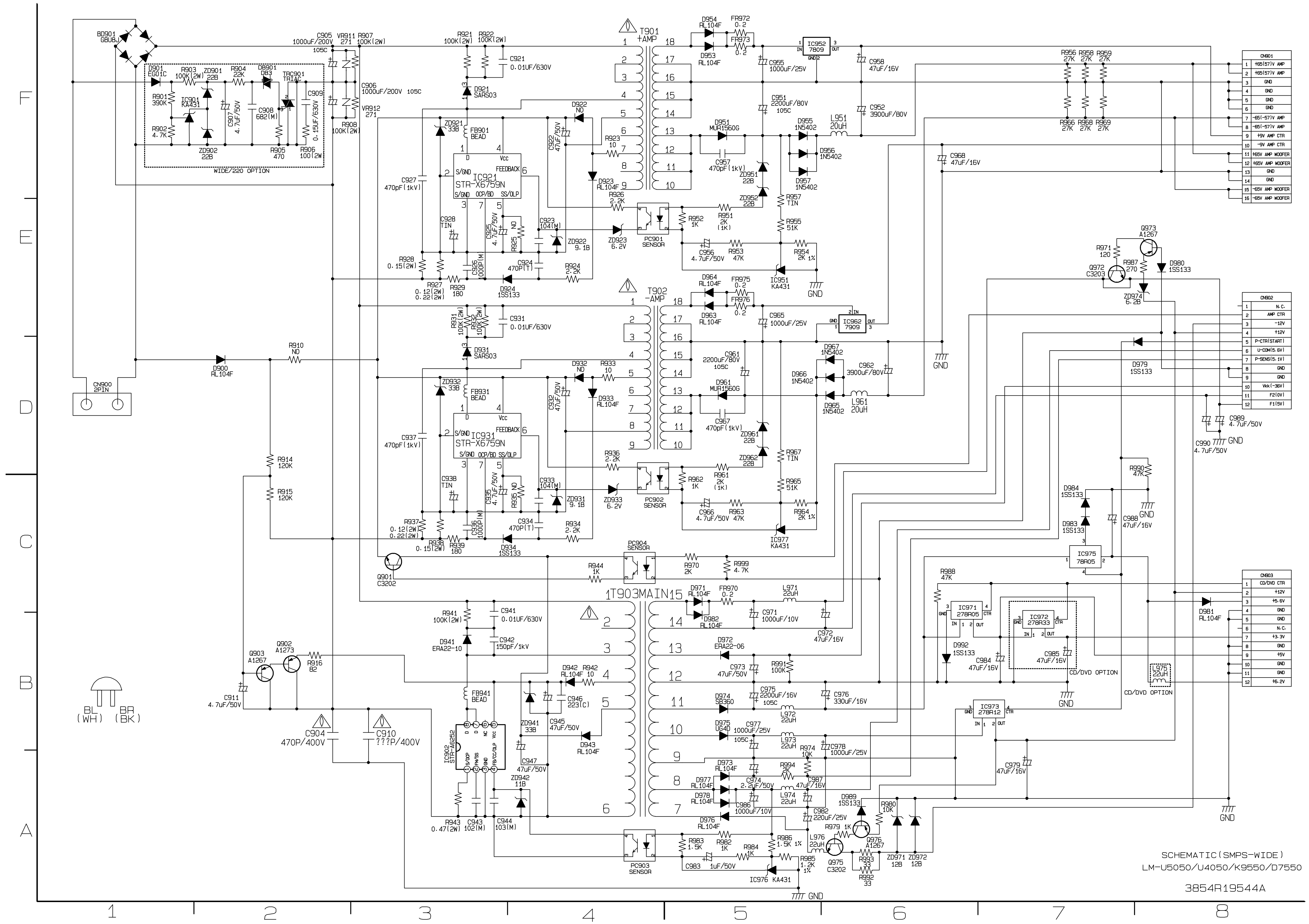
• AMP SCHEMATIC DIAGRAM



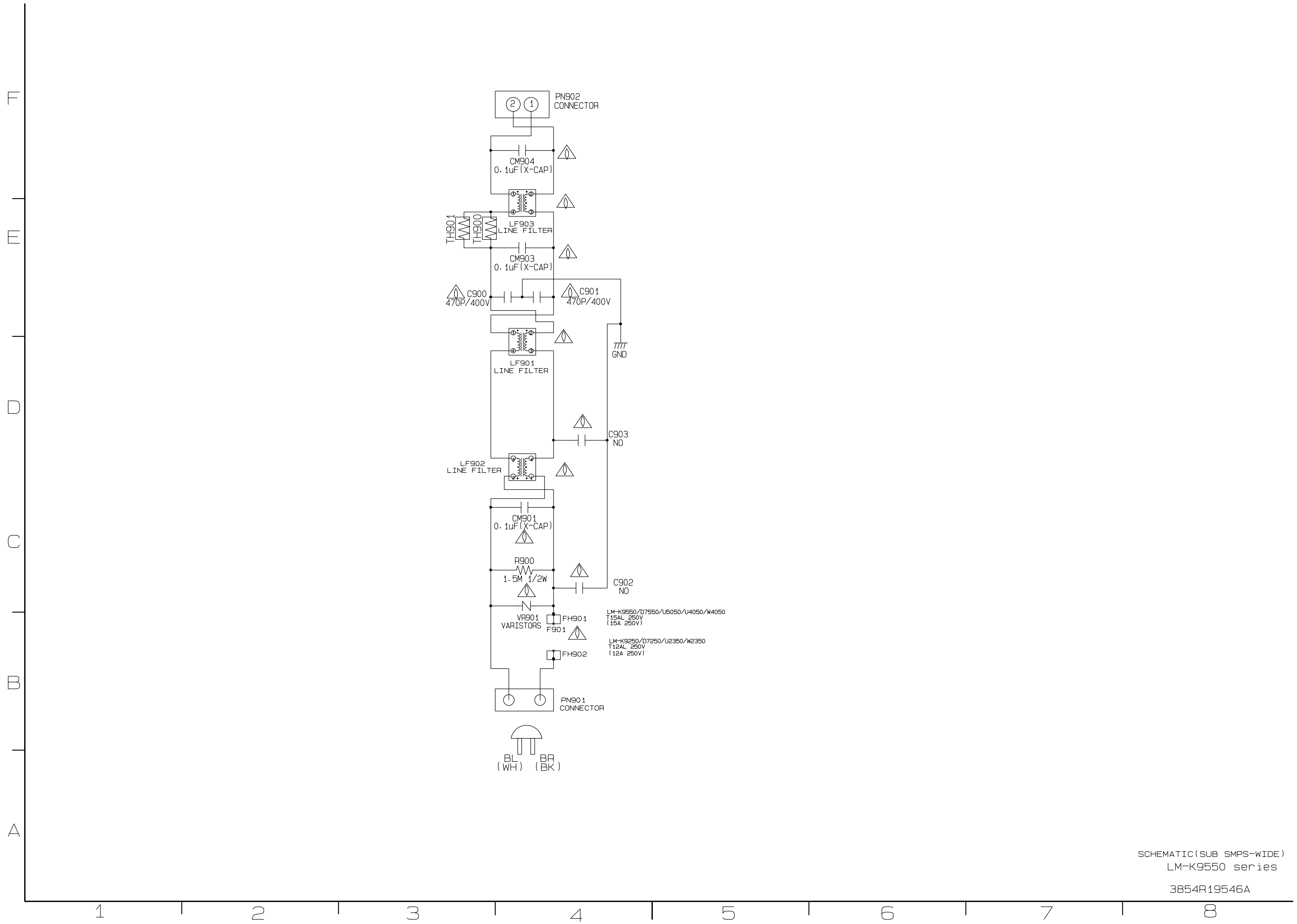
• POWER SCHEMATIC DIAGRAM



• POWER SCHEMATIC DIAGRAM



• SUB POWER SCHEMATIC DIAGRAM

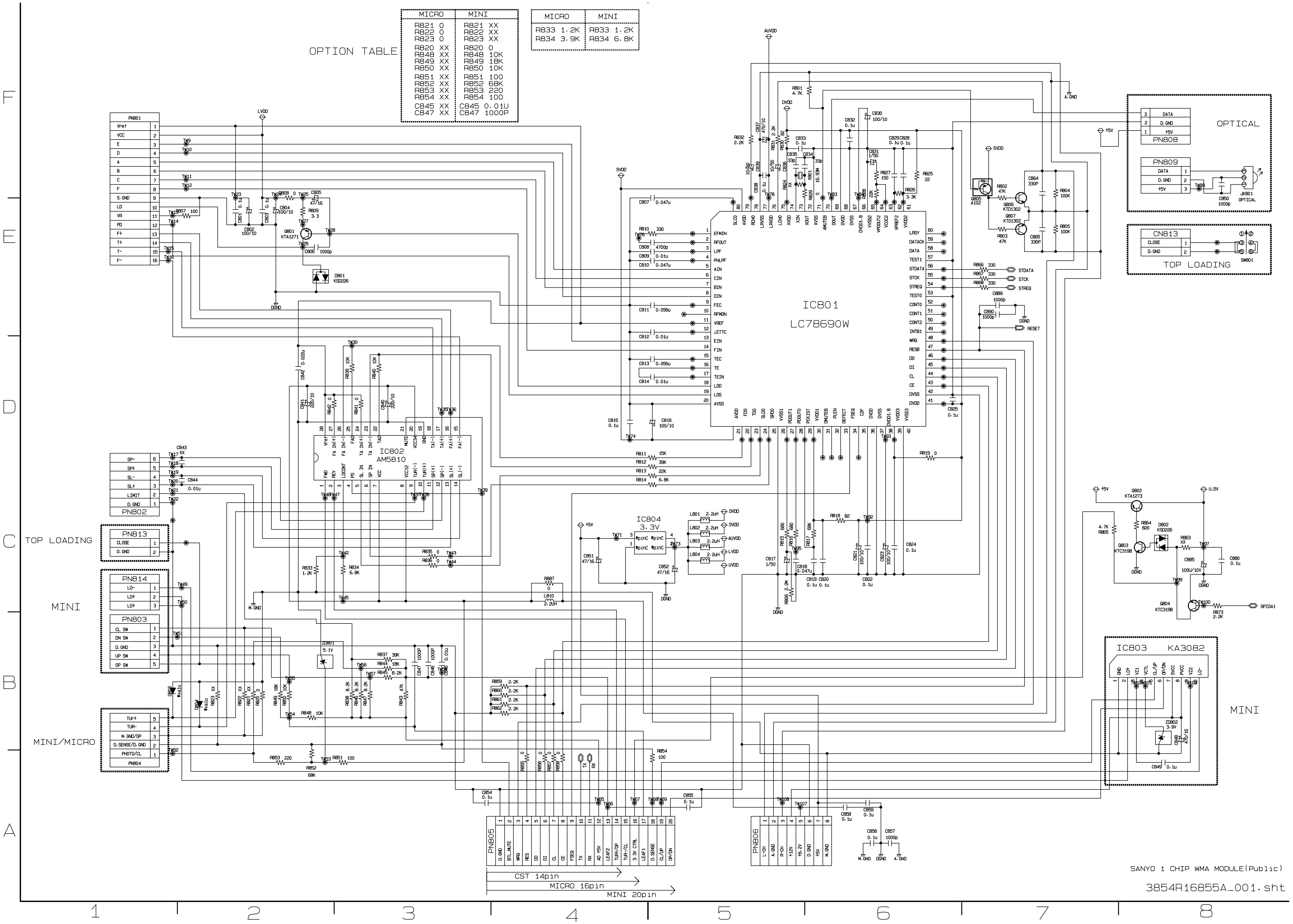


• CDP SCHEMATIC DIAGRAM

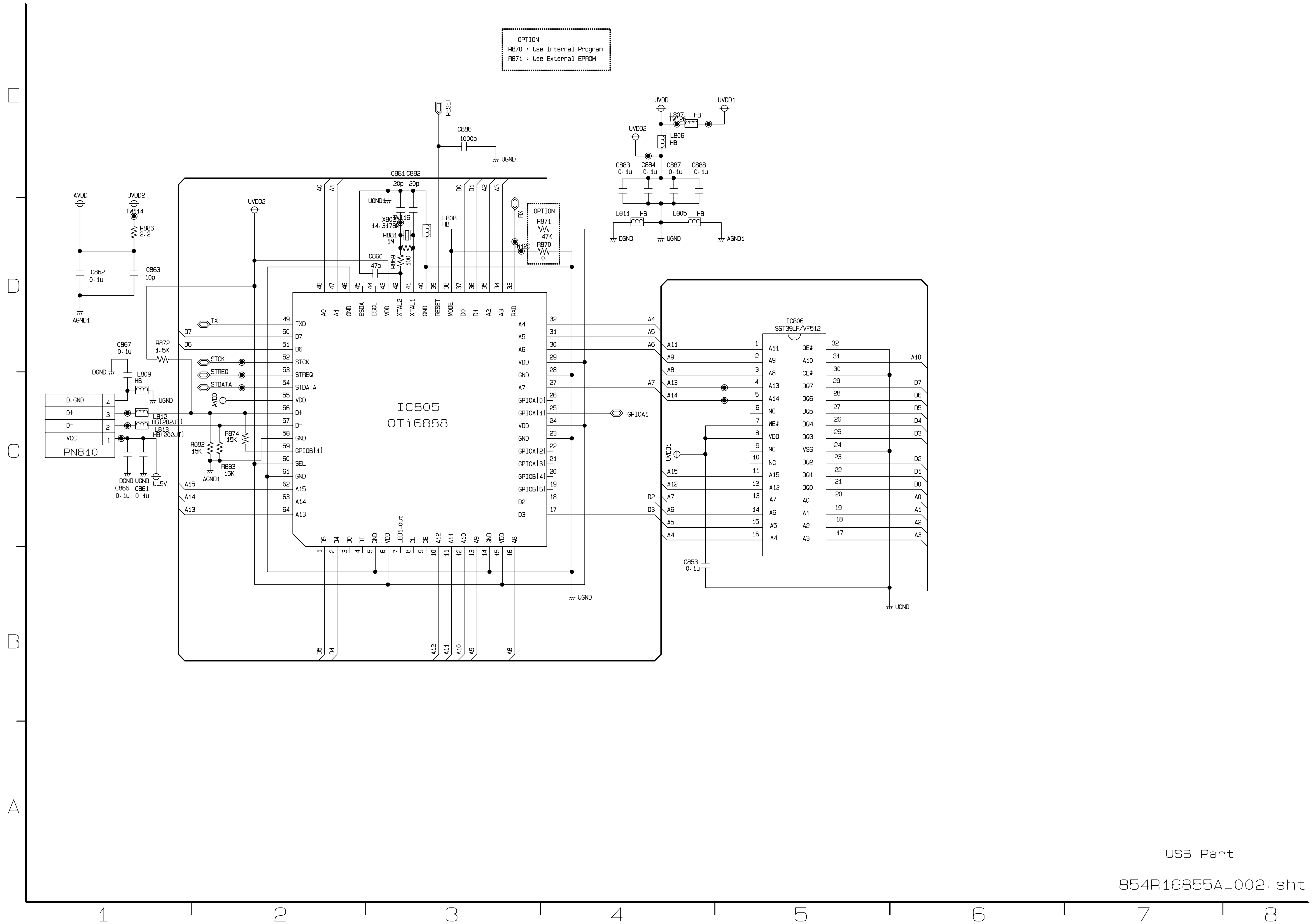
OPTION TABLE

MICRO	MINI
R821 0	R821 XX
R822 0	R822 XX
R823 0	R823 XX
R820 XX	R820 0
R848 XX	R848 10K
R849 XX	R849 18K
R850 XX	R850 10K
R851 XX	R851 100
R852 XX	R852 68K
R853 XX	R853 220
R854 XX	R854 100
C845 XX	C845 0.01U
C847 XX	C847 1000P

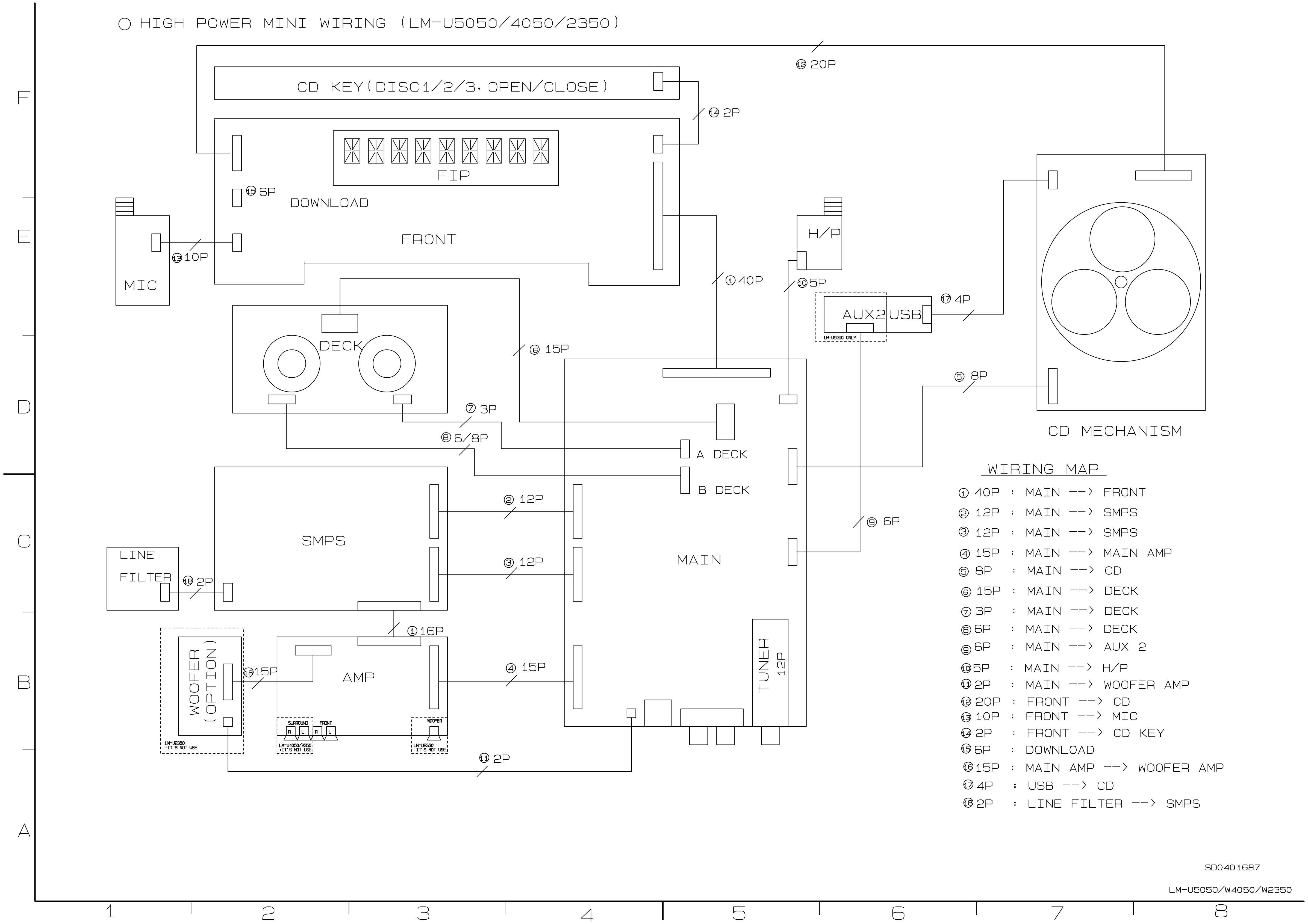
MICRO	MINI
R833 1.2K	R833 1.2K
R834 3.9K	R834 6.8K



• USB SCHEMATIC DIAGRAM

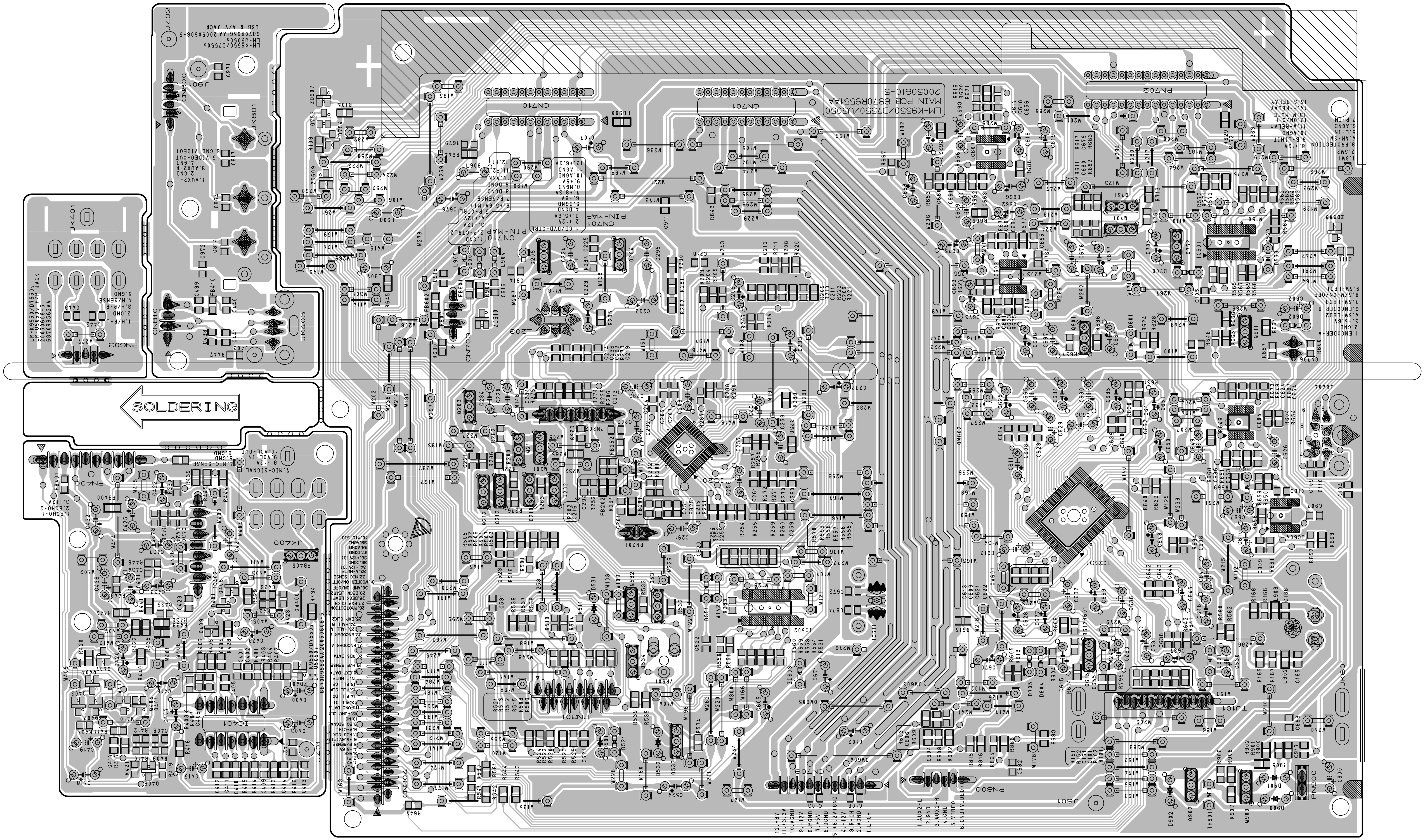


❑ WIRING DIAGRAMS

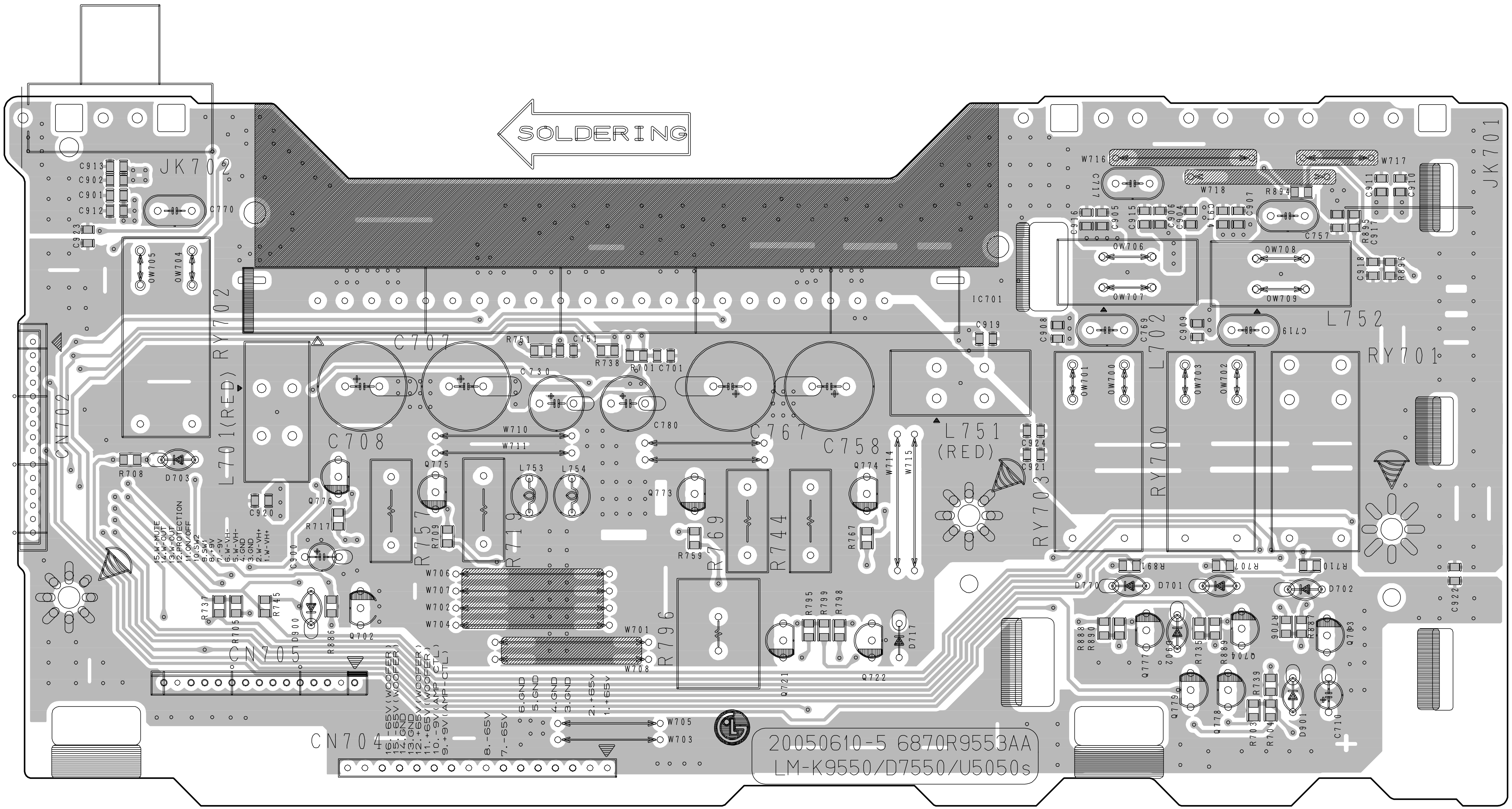


❑ PRINTED CIRCUIT DIAGRAMS

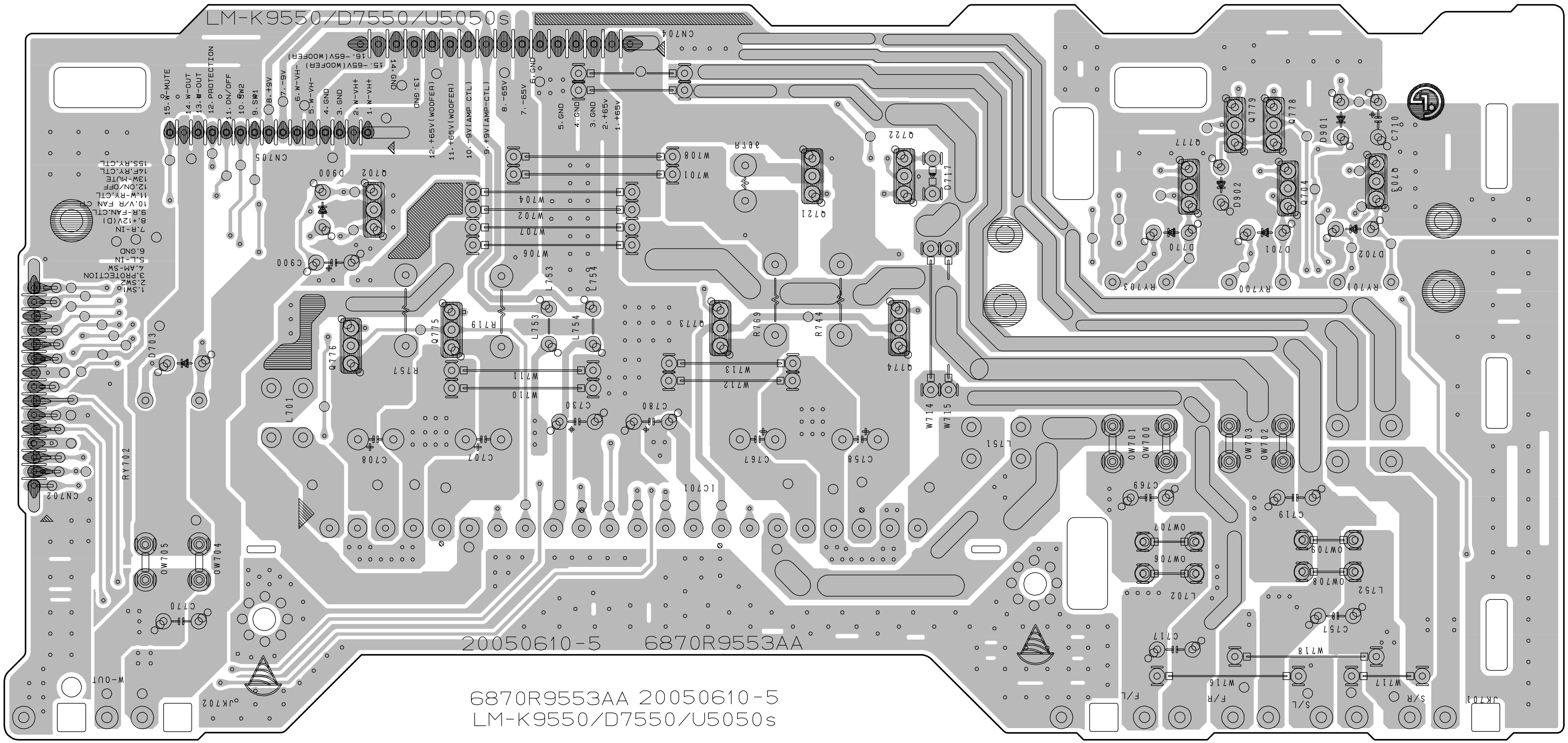
• MAIN P.C. BOARD



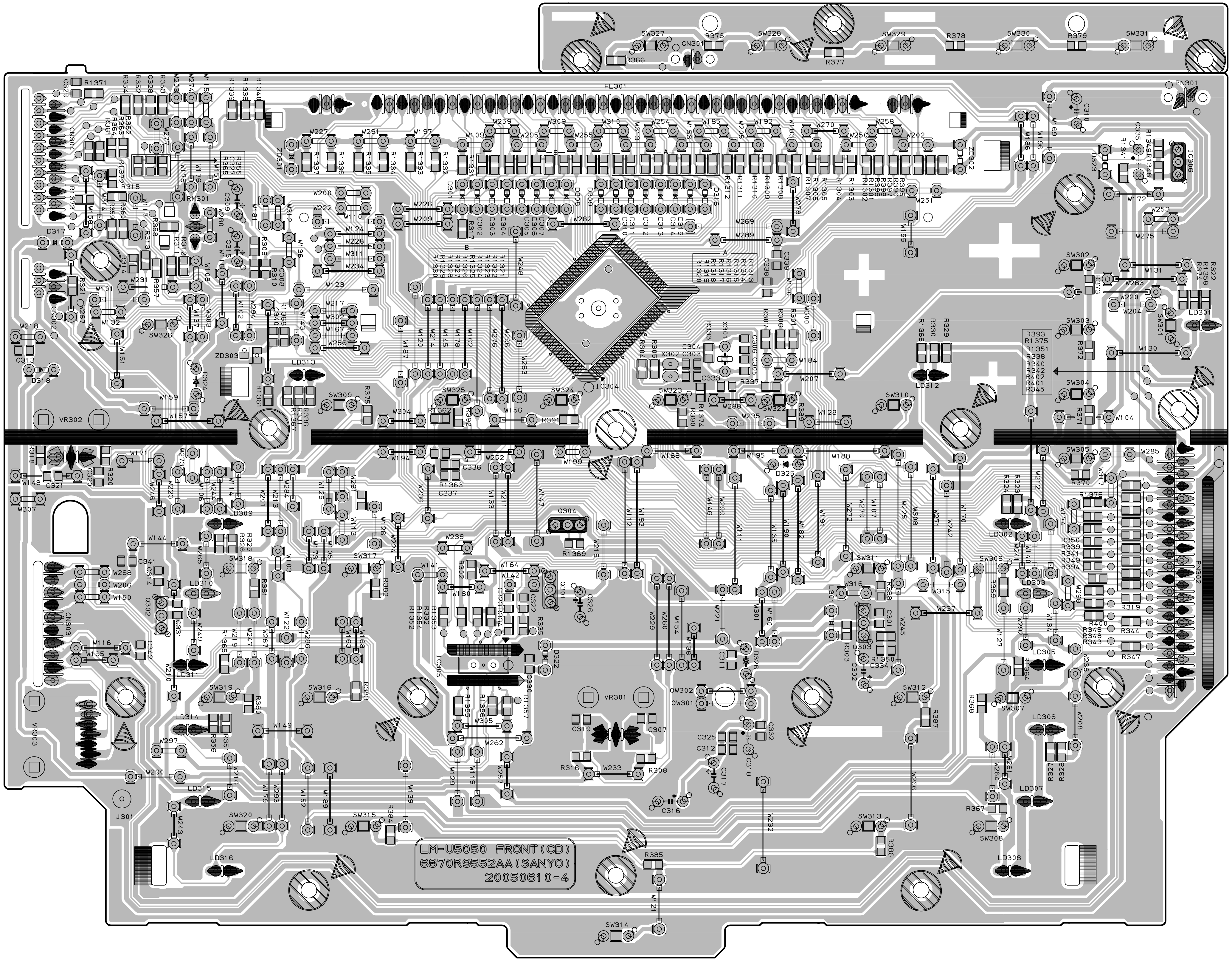
• **MAIN AMP P.C. BOARD**



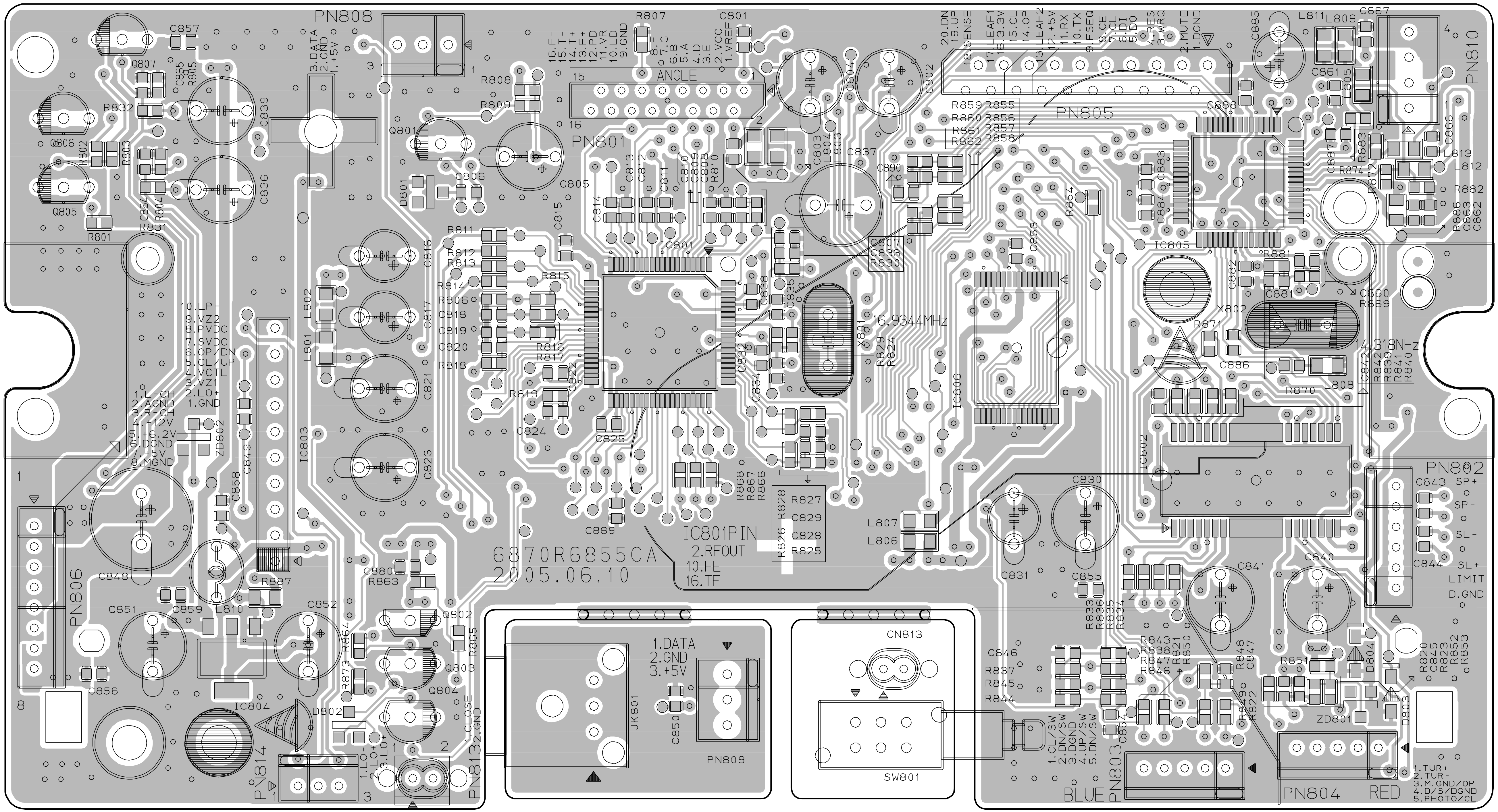
• MAIN AMP P.C. BOARD



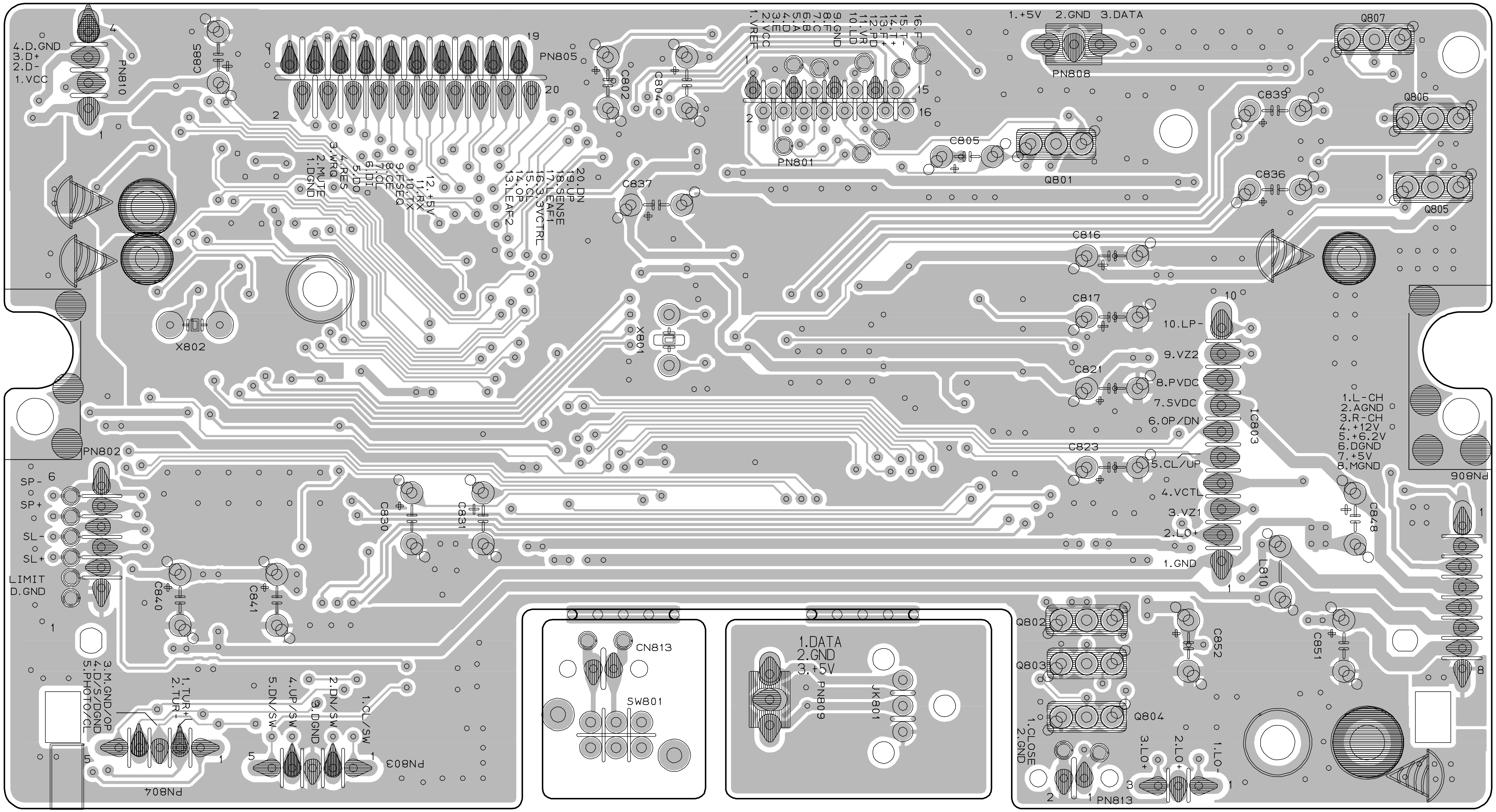
• FRONT P.C. BOARD



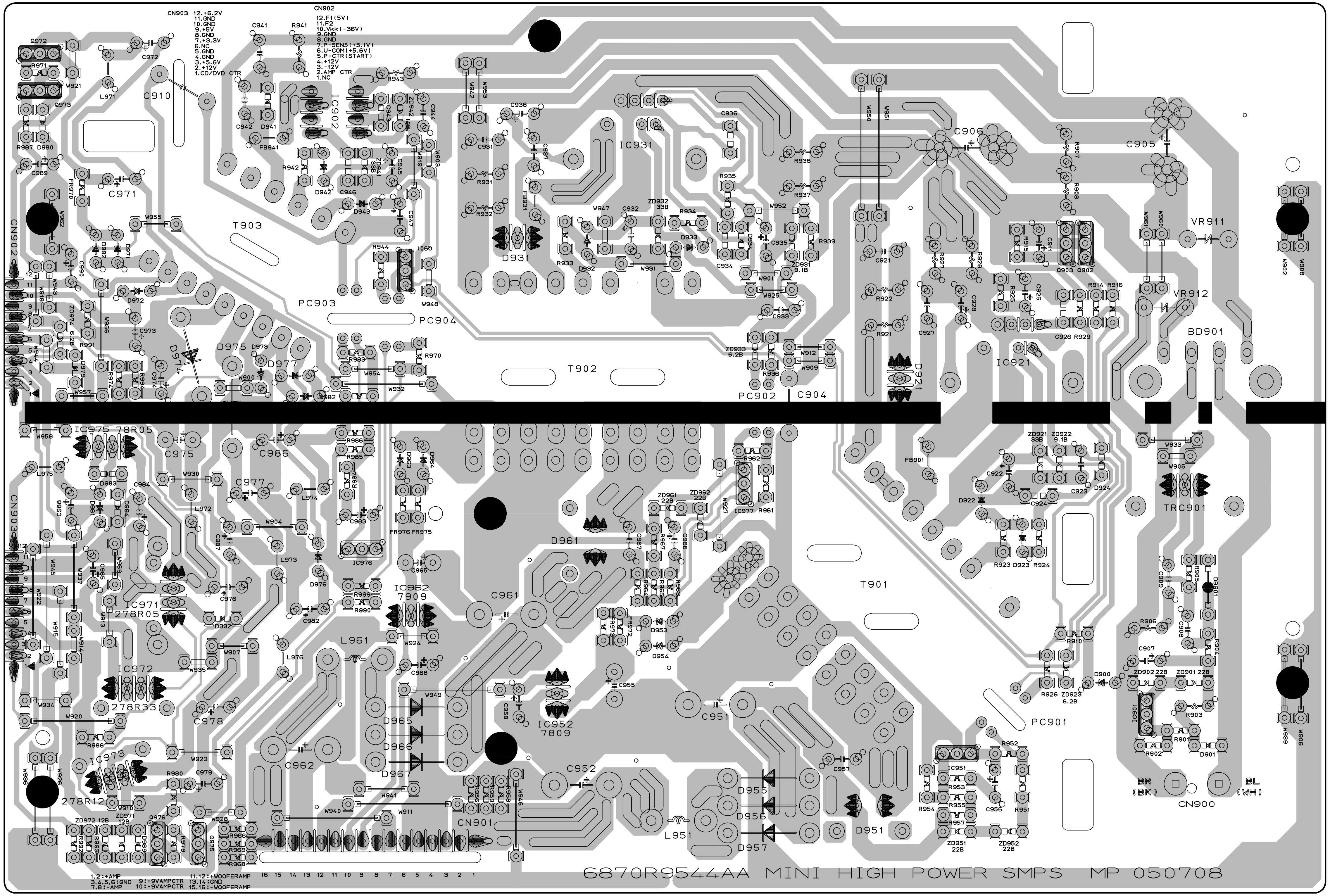
• CDP P.C. BOARD



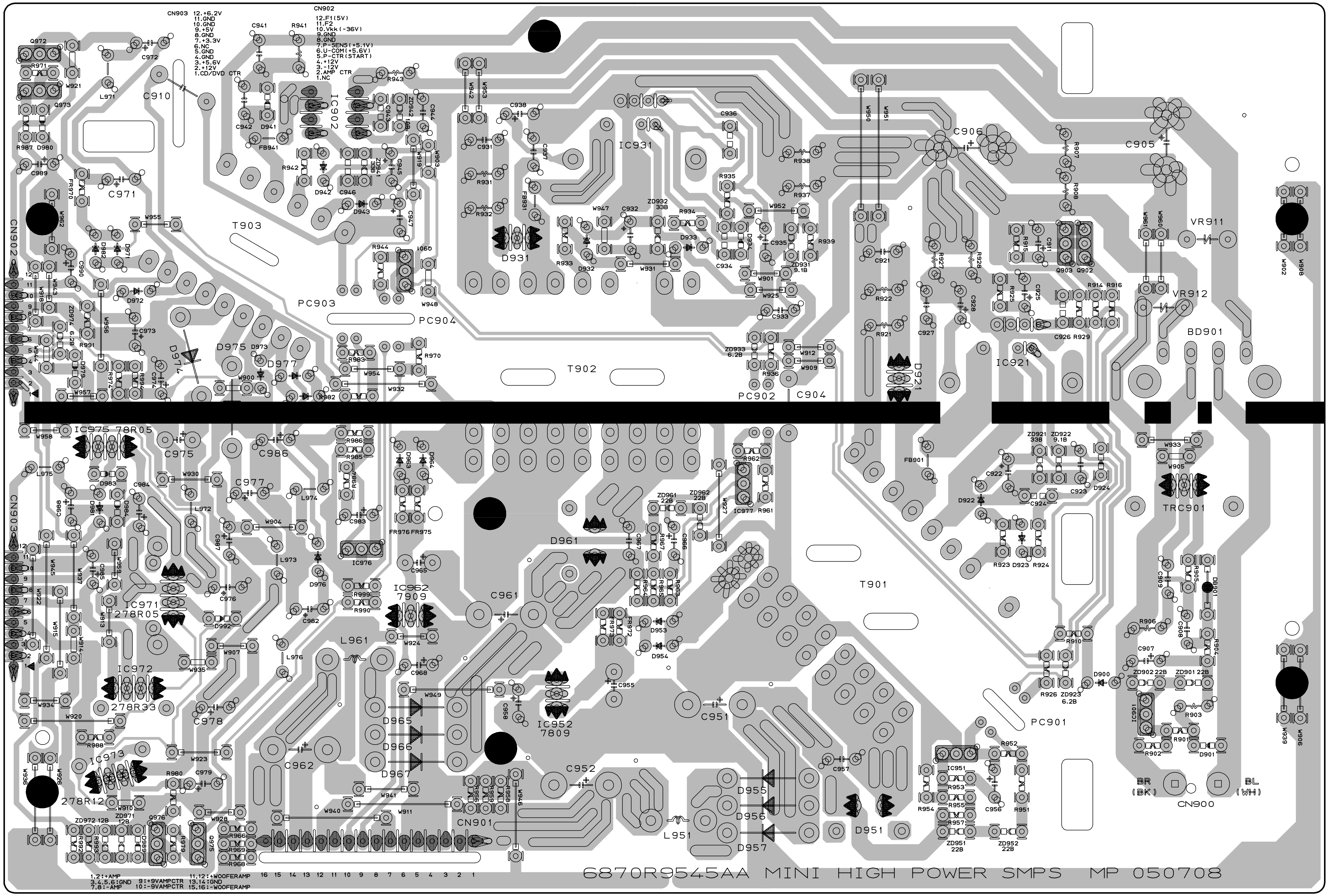
• **CDP P.C. BOARD**


PN810
4.D.GND
3.D+
2.D-
1.VCC
C885
PN805
C802
C804
1.VREF
2.VCC
3.E
4.D
5.A
6.B
7.C
8.F
9.GND
10.LD
11.VR
12.PD
13.F+
14.T+
15.T-
16.F
PN801
1.+5V 2.GND 3.DATA
PN808
Q807
Q806
C839
C805
Q801
C836
Q805
1.DGND
2.MUTE
3.WRQ
4.RES
5.DO
6.DI
7.CL
8.CE
9.FSEQ
10.TX
11.RX
12.+5V
13.LEAF2
14.OP
15.CL
16.3VCTRL
17.LEAF1
18.SENSE
19.UP
20.DN
C837
C816
C817
X802
X801
C821
C823
10.LP-
9.VZ2
8.PVDC
7.SVDC
6.OP/DN
5.CL/UP
4.VCTL
3.VZ1
2.LO+
1.GND
IC803
1.L-CH
2.AGND
3.R-CH
4.+12V
5.+6.2V
6.DGND
7.+5V
8.MGND
PN806
C848
L810
PN802
SP-
SP+
SL-
SL+
LIMIT
D.GND
C830
C831
C840
C841
Q802
Q803
Q804
C852
C851
CN813
SW801
1.DATA
2.GND
3.+5V
PN809
JK801
1.TUR+
2.TUR-
3.M.GND/OP
4.D/S/DGND
5.PHOTO/CL
PN804
1.CL/SW
2.DN/SW
3.DGND
4.UP/SW
5.DN/SW
PN803
1.CLOSE
2.GND
1.LO-
2.LO+
3.LO+
PN813

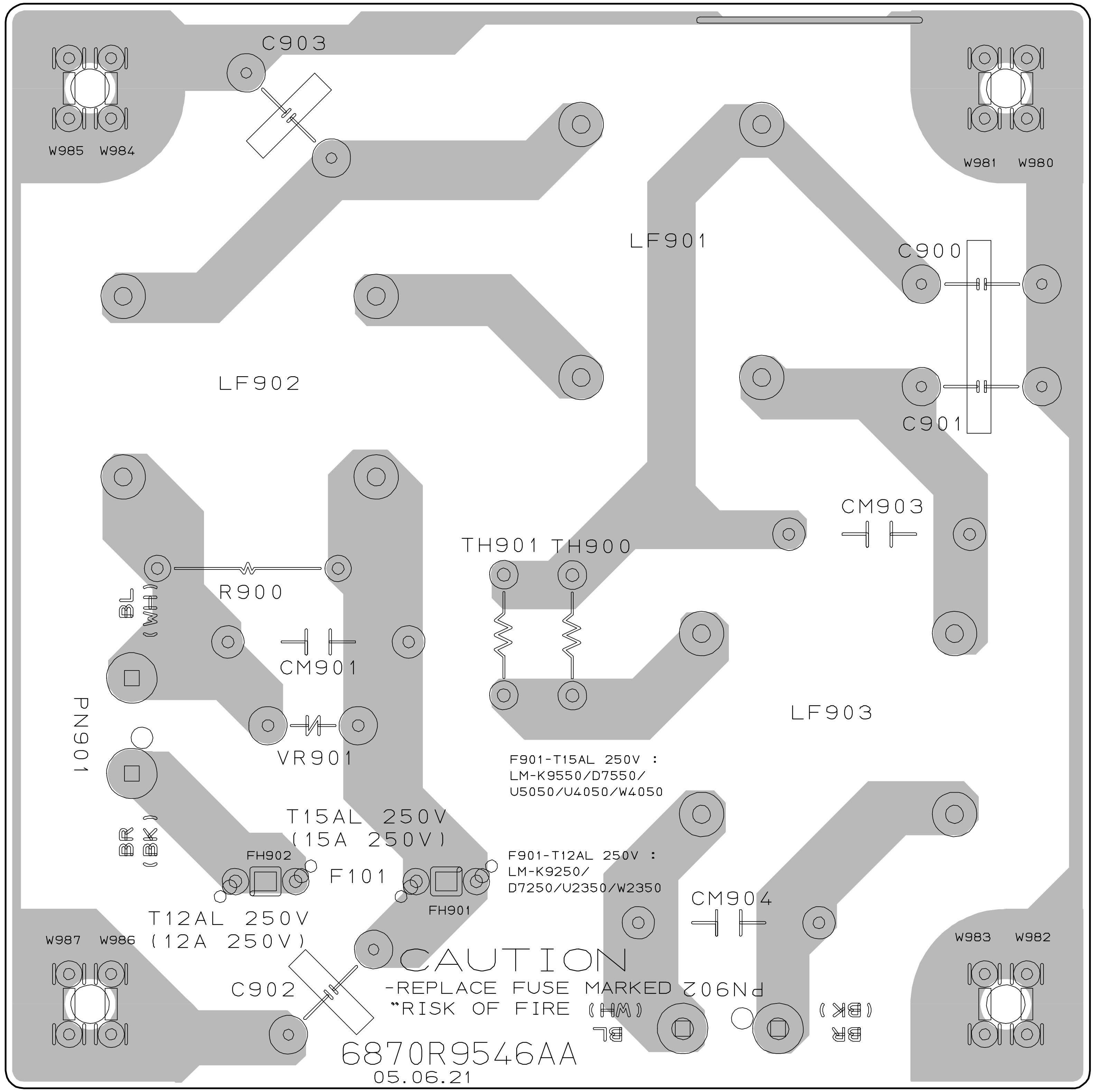
• POWER P.C. BOARD



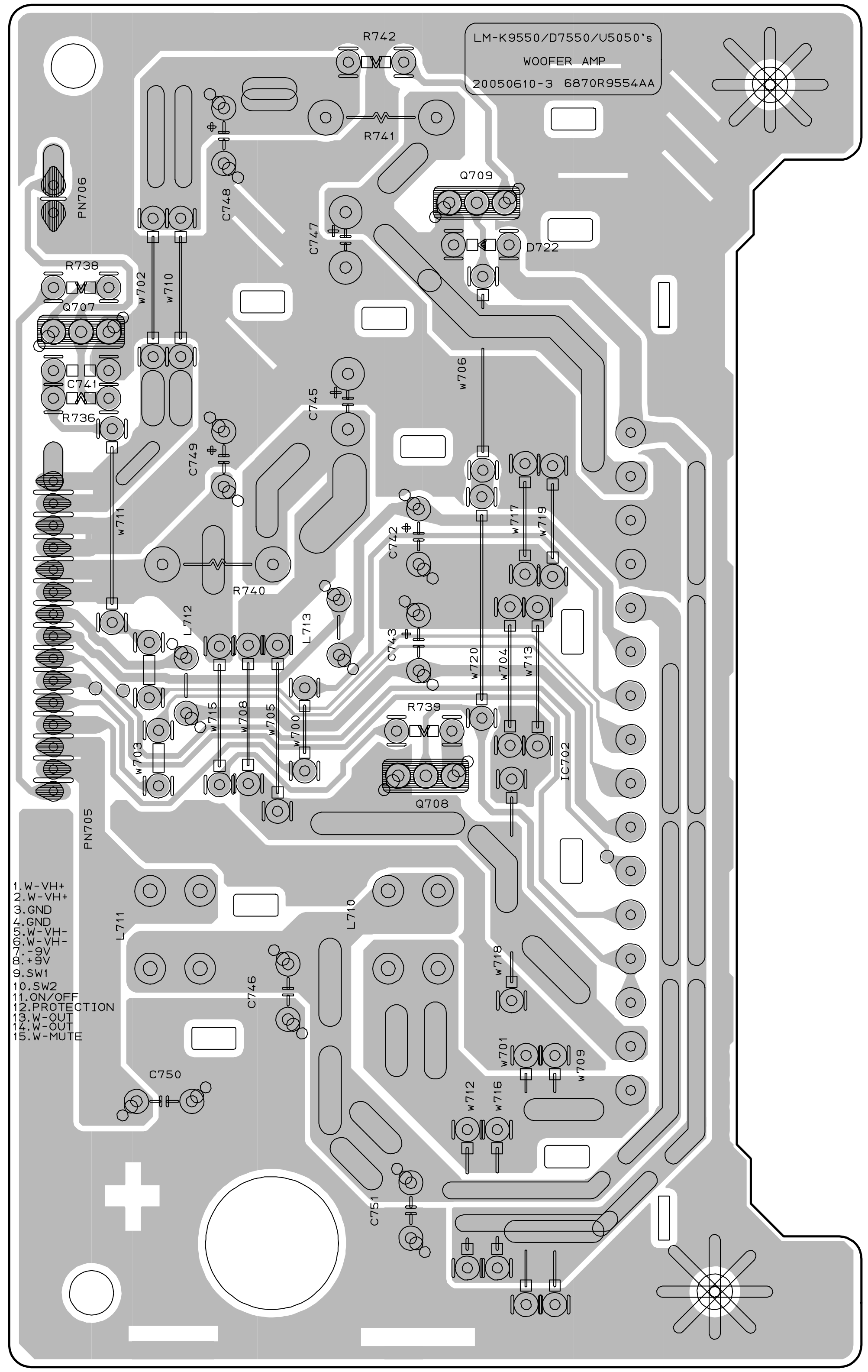
• POWER P.C. BOARD



• SUB POWER P.C. BOARD



• WOOFER AMP P.C. BOARD



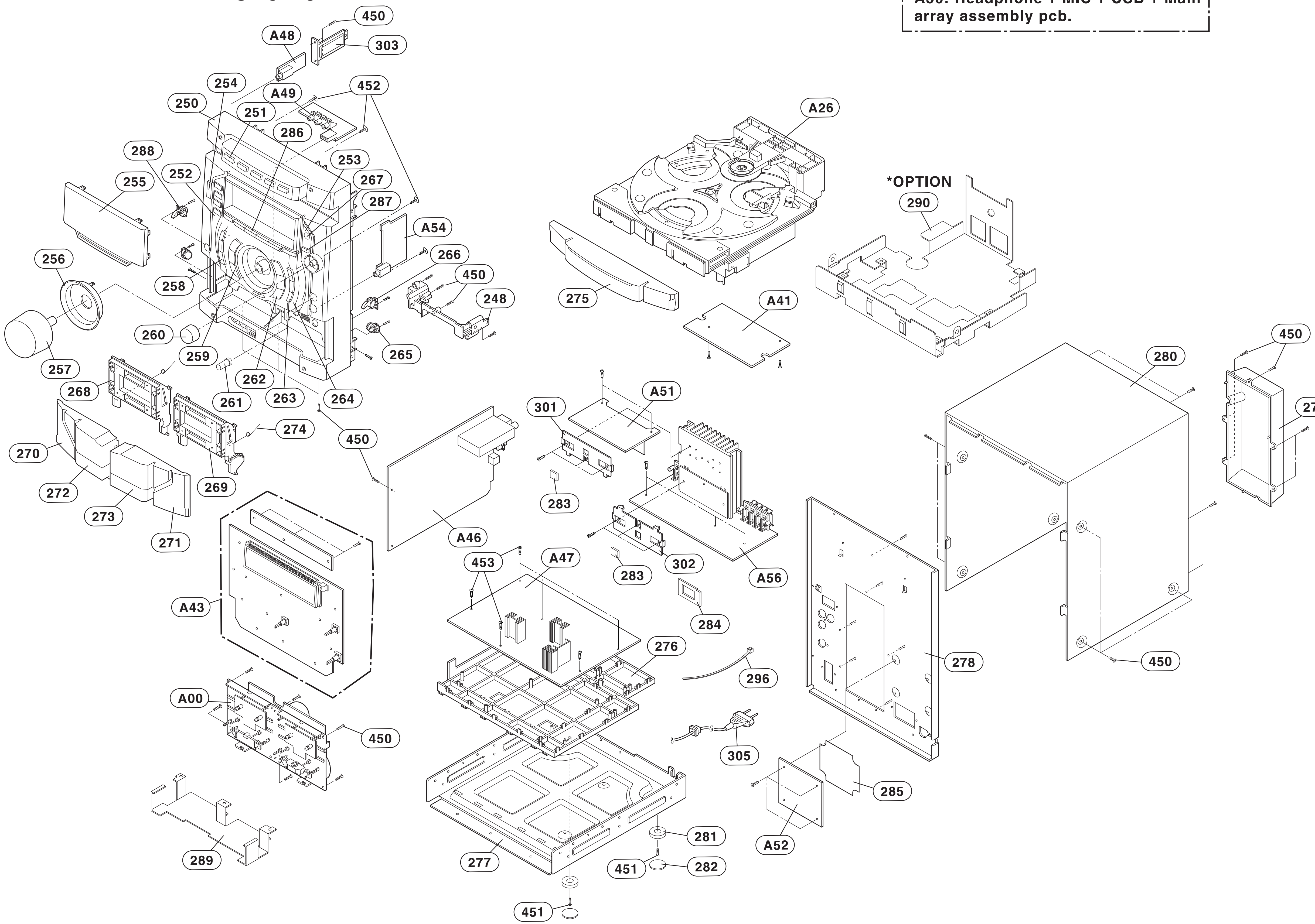
MEMO

MEMO

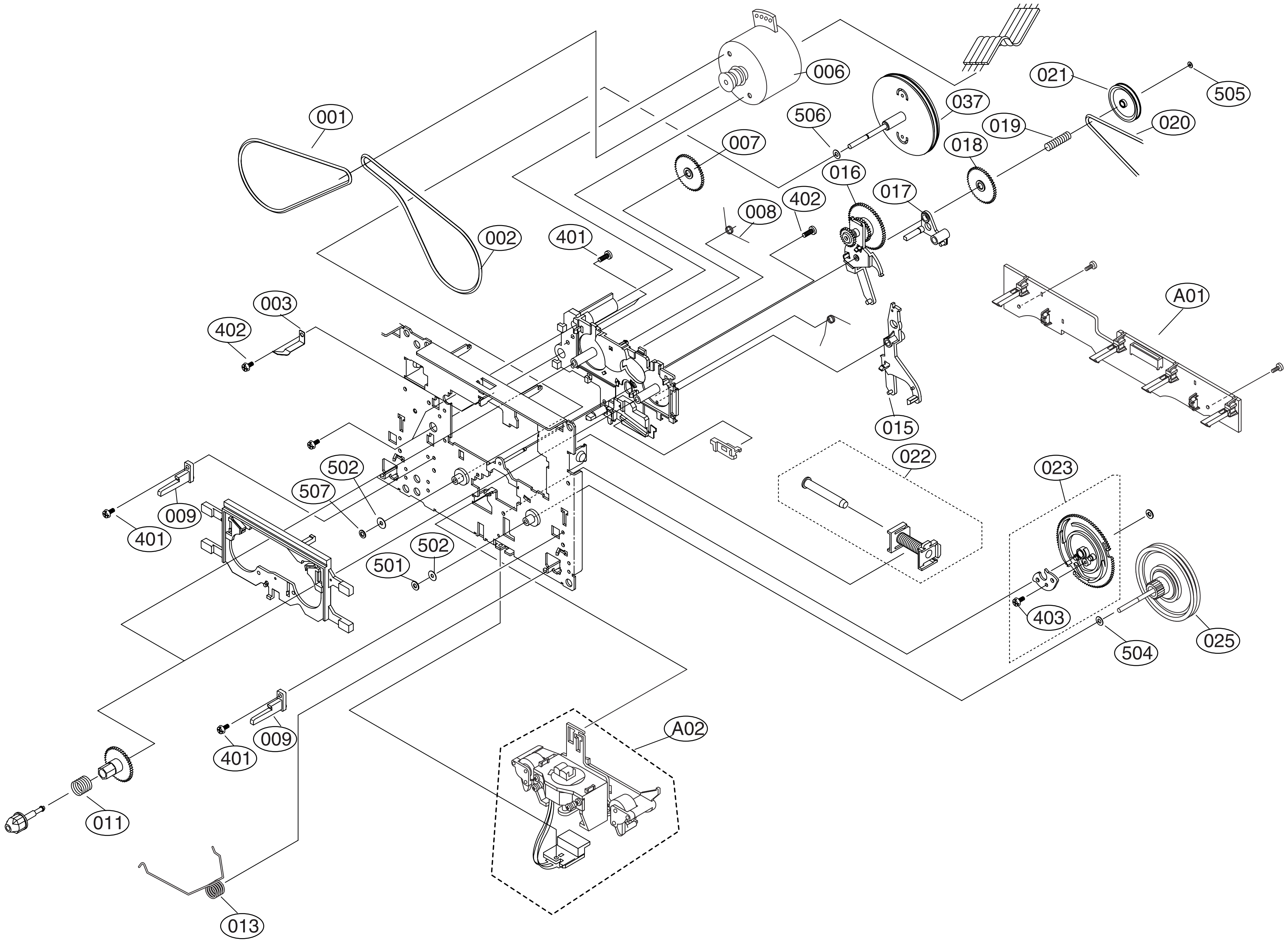
SECTION 3. EXPLODED VIEWS

• CABINET AND MAIN FRAME SECTION

Caution point
A50: Headphone + MIC + USB + Main array assembly pcb.

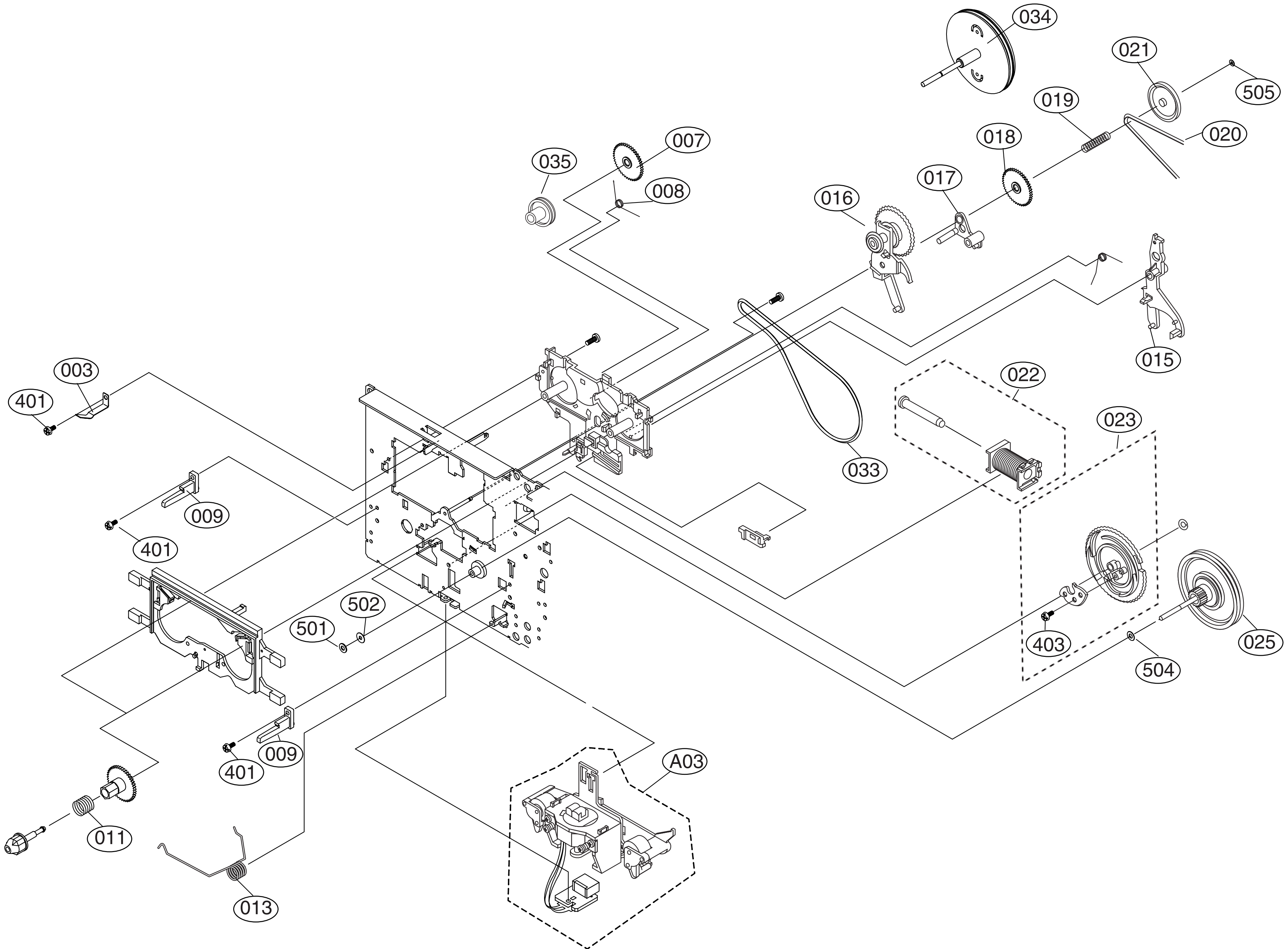


• TAPE DECK MECHANISM (A/R & A/S : RIGHT A/R DECK)



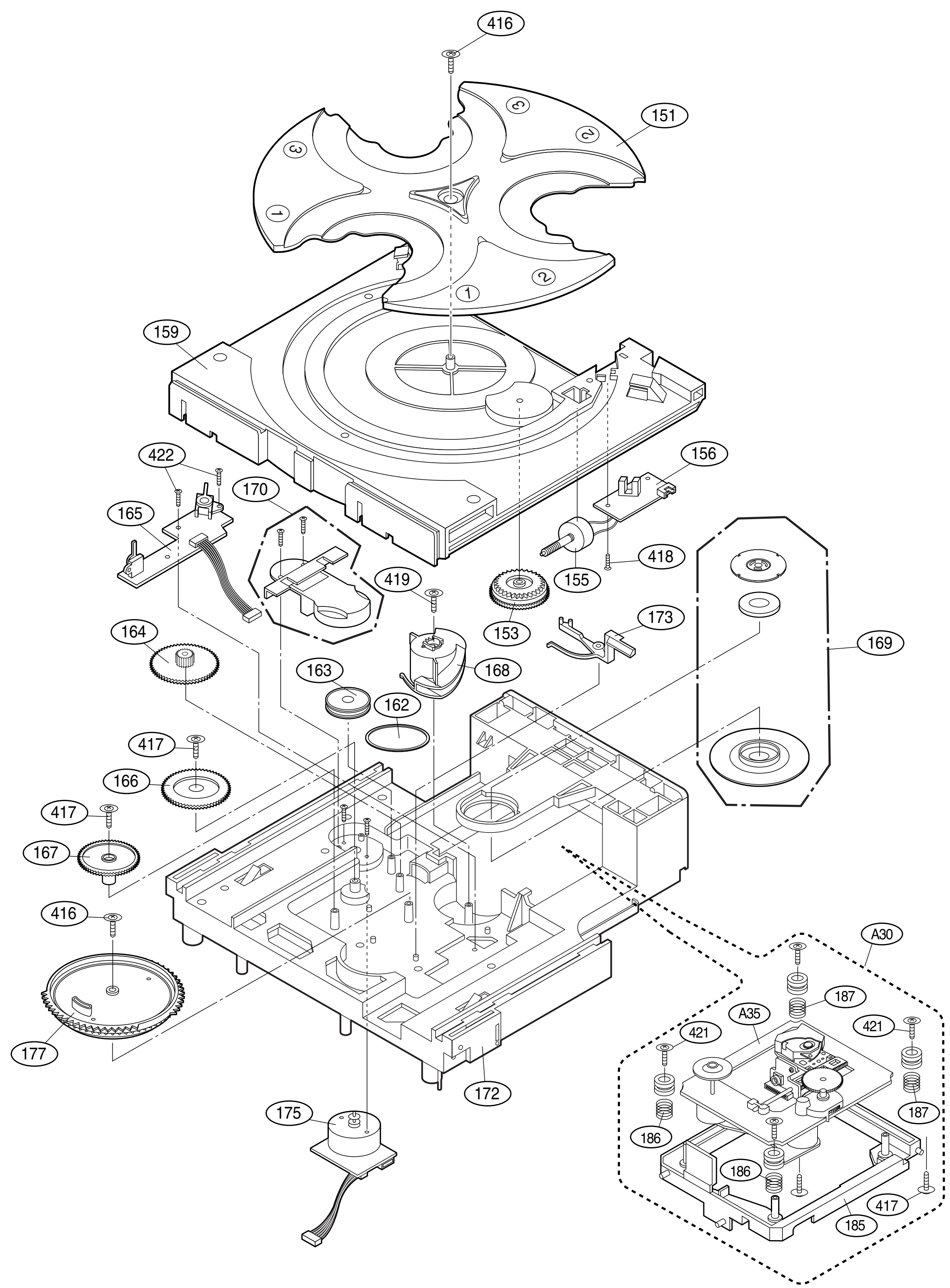
LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION
A00	6720AG0009A	DECK,AUDIO	CWN42RR05 TOKYO PIGEON L-DOUBL
A01	6768R-UP04A	DECK MECHANISM PARTS	50-093-41285 PIGEON UNIT
A02	6768R-EP05A	DECK MECHANISM PARTS	50-093-41234 PIGEON HEAD ASSY
001	6768R-BP03D	DECK MECHANISM PARTS	02-083-4254 PIGEON BELT/FELT C
002	6768R-BP03E	DECK MECHANISM PARTS	02-083-4256 PIGEON BELT/FELT C
003	6768R-PP03A	DECK MECHANISM PARTS	33-160-4309 PIGEON PRESS CASSE
006	6768R-QP04A	DECK MECHANISM PARTS	50-093-41299 PIGEON MOTOR(ASSY
007	6768RZGP01A	DECK MECHANISM PARTS	50-222-41226 PIGEON A/R A/R GE
008	6768R-SP01F	DECK MECHANISM PARTS	01-082-4598 PIGEON SPRING CWL4
009	6768R-MP01C	DECK MECHANISM PARTS	50-219-4014 PIGEON MOLD CWL44
011	6768R-SP01A	DECK MECHANISM PARTS	01-081-4601 PIGEON SPRING CWL4
013	6768R-SP03A	DECK MECHANISM PARTS	01-082-4686 PIGEON SPRING CRM4
015	6768R-AP01A	DECK MECHANISM PARTS	50-268-3016 PIGEON ARM CWL44
016	6768R-GP01H	DECK MECHANISM PARTS	50-093-4503 PIGEON GEAR CRL442
017	6768R-AP01C	DECK MECHANISM PARTS	50-239-4072 PIGEON ARM CWL44
018	6768R-GP01J	DECK MECHANISM PARTS	50-222-4428 PIGEON GEAR CRL442
019	6768R-SP01P	DECK MECHANISM PARTS	01-081-4678 PIGEON SPRING CRL4
020	6768R-BP01C	DECK MECHANISM PARTS	02-083-4188 PIGEON BELT/FELT C
021	6768R-LP01C	DECK MECHANISM PARTS	50-223-4429 PIGEON PULLEY/FLYW
022	6768R-VP03A	DECK MECHANISM PARTS	50-093-4748 PIGEON SOLENOID AS
023	6768R-GP03A	DECK MECHANISM PARTS	50-093-4810 PIGEON GEAR ASSY C
025	6768R-JP03B	DECK MECHANISM PARTS	50-093-31009 PIGEON PULLEY/FLY
037	6768R-JP03A	DECK MECHANISM PARTS	50-093-4674 PIGEON PULLEY/FLYW
401	6768R-CP01B	DECK MECHANISM PARTS	GSE20A2005 PIGEON SCREW CWL44
402	6768R-CP01A	DECK MECHANISM PARTS	GSE10A2003 PIGEON SCREW CWL44
403	6768R-CP01D	DECK MECHANISM PARTS	GSL10A1704 PIGEON SCREW CWL44
501	6768R-WP03A	DECK MECHANISM PARTS	GWN19S035040 PIGEON WASHER CRM
502	6768R-WP03B	DECK MECHANISM PARTS	03-000-4532 PIGEON WASHER CRM4
504	6768R-WP01D	DECK MECHANISM PARTS	GWP21X045020 PIGEON WASHER CWL
505	6768R-WP01E	DECK MECHANISM PARTS	GWP12X030040S PIGEON WASHER CW
506	6768R-WP01H	DECK MECHANISM PARTS	GWP23X040020 PIGEON WASHER CWL
507	6768R-WP01F	DECK MECHANISM PARTS	GWN21X040040 PIGEON WASHER CWL

• TAPE DECK MECHANISM (A/R & A/S : LEFT A/R DECK)



LOCA. NO.	LG PART NO.	DESCRIPTION	SPECIFICATION
A00	6720AG0009A	DECK,AUDIO	CWN42RR05 TOKYO PIGEON L-DOUBL
A01	6768R-UP04A	DECK MECHANISM PARTS	50-093-41285 PIGEON UNIT
A03	6768RZEP04A	DECK MECHANISM PARTS	50-093-41238 PIGEON A/R A/R HE
001	6768R-BP03D	DECK MECHANISM PARTS	02-083-4254 PIGEON BELT/FELT C
002	6768R-BP03E	DECK MECHANISM PARTS	02-083-4256 PIGEON BELT/FELT C
003	6768R-PP03A	DECK MECHANISM PARTS	33-160-4309 PIGEON PRESS CASSE
006	6768R-QP04A	DECK MECHANISM PARTS	50-093-41299 PIGEON MOTOR(ASSY
007	6768RZGP01A	DECK MECHANISM PARTS	50-222-41226 PIGEON A/R A/R GE
008	6768R-SP01F	DECK MECHANISM PARTS	01-082-4598 PIGEON SPRING CWL4
009	6768R-MP01C	DECK MECHANISM PARTS	50-219-4014 PIGEON MOLD CWL44
011	6768R-SP01A	DECK MECHANISM PARTS	01-081-4601 PIGEON SPRING CWL4
013	6768R-SP03A	DECK MECHANISM PARTS	01-082-4686 PIGEON SPRING CRM4
015	6768R-AP01A	DECK MECHANISM PARTS	50-268-3016 PIGEON ARM CWL44
016	6768R-GP01H	DECK MECHANISM PARTS	50-093-4503 PIGEON GEAR CRL442
017	6768R-AP01C	DECK MECHANISM PARTS	50-239-4072 PIGEON ARM CWL44
018	6768R-GP01J	DECK MECHANISM PARTS	50-222-4428 PIGEON GEAR CRL442
019	6768R-SP01P	DECK MECHANISM PARTS	01-081-4678 PIGEON SPRING CRL4
020	6768R-BP01C	DECK MECHANISM PARTS	02-083-4188 PIGEON BELT/FELT C
021	6768R-LP01C	DECK MECHANISM PARTS	50-223-4429 PIGEON PULLEY/FLYW
022	6768R-VP03A	DECK MECHANISM PARTS	50-093-4748 PIGEON SOLENOID AS
023	6768R-GP03A	DECK MECHANISM PARTS	50-093-4810 PIGEON GEAR ASSY C
025	6768R-JP03B	DECK MECHANISM PARTS	50-093-31009 PIGEON PULLEY/FLY
033	6768RZBP01A	DECK MECHANISM PARTS	02-083-4232 PIGEON A/R A/R BEL
034	6768RZLP01A	DECK MECHANISM PARTS	50-093-41187 PIGEON A/R A/R PU
035	6768RZLP02A	DECK MECHANISM PARTS	50-223-4933 PIGEON A/R A/R PUL
037	6768R-JP03A	DECK MECHANISM PARTS	50-093-4674 PIGEON PULLEY/FLYW
401	6768R-CP01B	DECK MECHANISM PARTS	GSE20A2005 PIGEON SCREW CWL44
402	6768R-CP01A	DECK MECHANISM PARTS	GSE10A2003 PIGEON SCREW CWL44
403	6768R-CP01D	DECK MECHANISM PARTS	GSL10A1704 PIGEON SCREW CWL44
501	6768R-WP03A	DECK MECHANISM PARTS	GWN19S035040 PIGEON WASHER CRM
502	6768R-WP03B	DECK MECHANISM PARTS	03-000-4532 PIGEON WASHER CRM4
504	6768R-WP01D	DECK MECHANISM PARTS	GWP21X045020 PIGEON WASHER CWL
505	6768R-WP01E	DECK MECHANISM PARTS	GWP12X030040S PIGEON WASHER CW
506	6768R-WP01H	DECK MECHANISM PARTS	GWP23X040020 PIGEON WASHER CWL
507	6768R-WP01F	DECK MECHANISM PARTS	GWN21X040040 PIGEON WASHER CWL

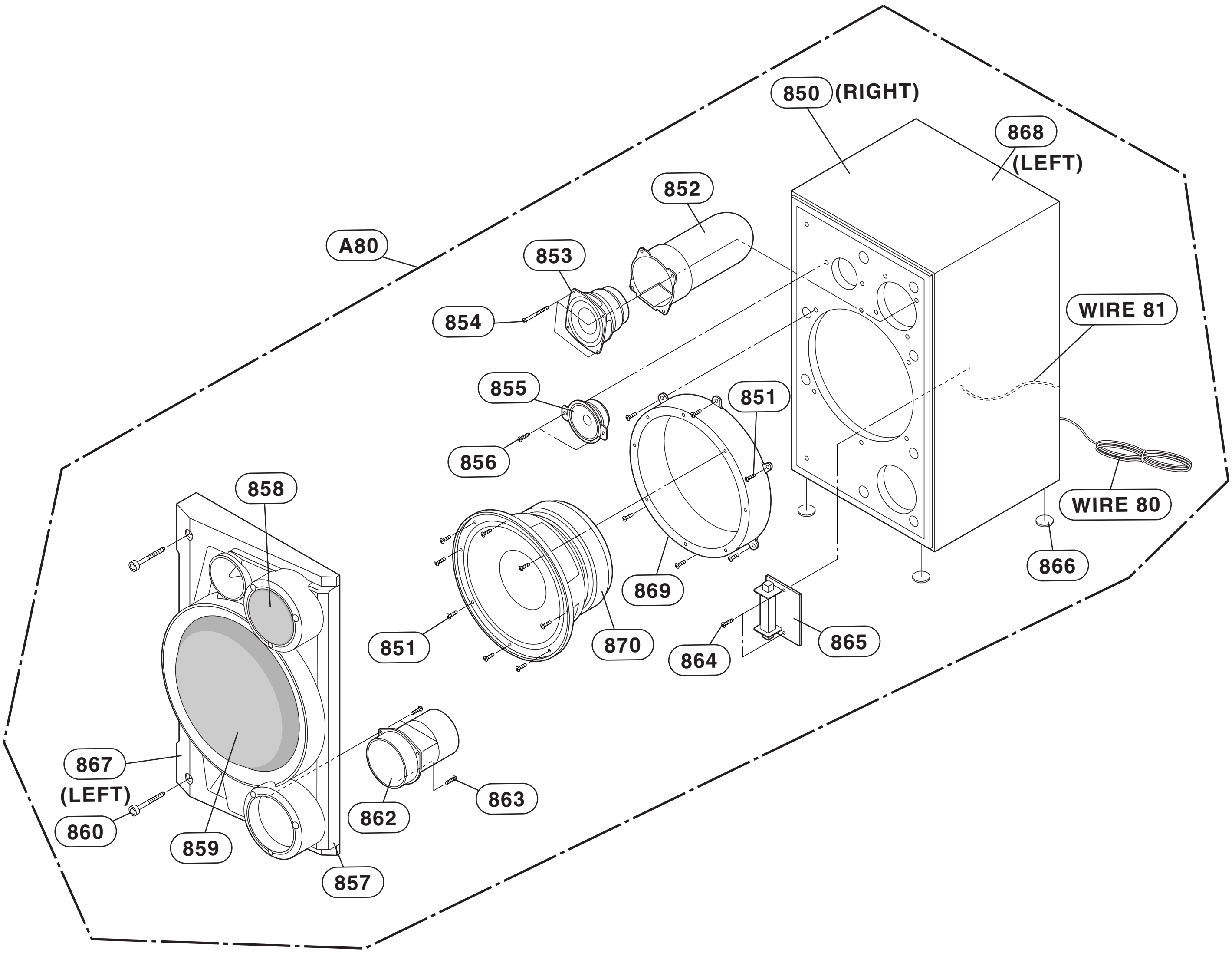
• CD MECHANISM



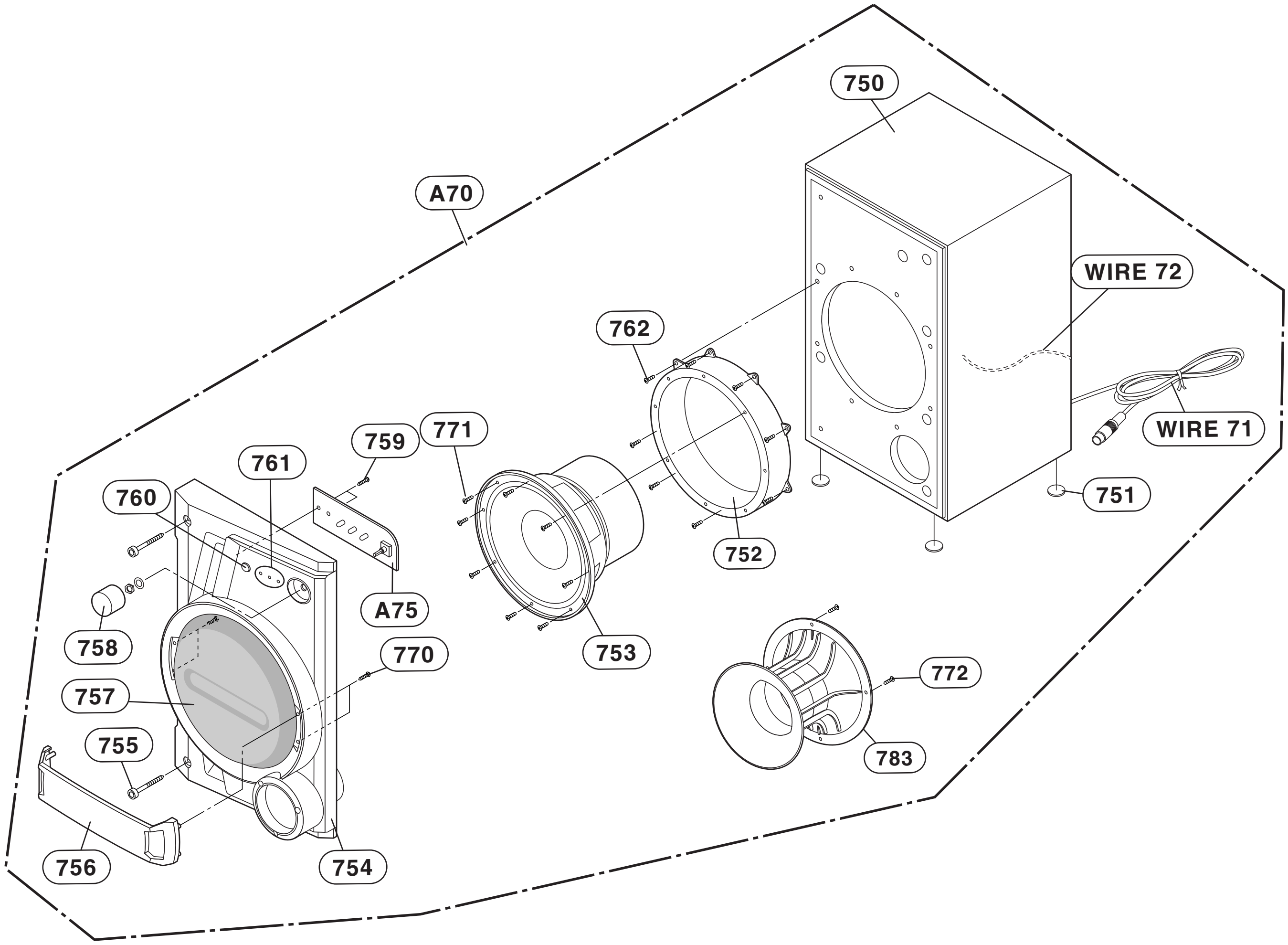
LOCA.NO.	PART NO	DESCRIPTION	SPECIFICATION
A26	4405RCE008G	MECHANISM ASSEMBLY	CDM-H1543 3 CD CHANGER (SPRING
A30	3041RBM001A	BASE ASSEMBLY	PU(SPRING DAMPER) SS P/UP
A35	6717R-A002A	PICK UP ASSEMBLY	CMS-D77SG6 SAMSUNG FRONT LOADI
151	3390RB0002A	TRAY	DISC(CDM-H1503)
153	4470RB0005A	GEAR	TRAY (CDM-H1503)
155	4681RBA001C	MOTOR ASSEMBLY	HOME TRAY (CDM-H1503) MABUCHI
156	6871RF9211A	PWB(PCB) ASSEMBLY,FRONT	1503 T/D SENSOR
159	3390RB0001B	TRAY	DECK/MECHA CDM-H1503 MOLD LOAD
162	4400R-0012A	BELT	DECK/MECHA MAIN CDM-H1503V OTH
163	4470R-0190A	GEAR	DECK/MECHA PULLEY CDM-H1503V M
164	4470RB0003A	GEAR	LOADING (CDM-H1503)
165	6871RZ7036A	PWB(PCB) ASSEMBLY,OTHERS	CDM-H1503 UP/DW/OP/CL
166	4470RB0006A	GEAR	PU UP (CDM-H1503)
167	4470RB0007A	GEAR	PU DOWN (CDM-H1503)
168	4470RB0002A	GEAR	CAM (CDM-H1503)
169	4860RB0002B	CLAMP	HOME CDM-H1503 MOLD CLAMP ASSY
170	3550R-0685A	COVER	DECK/MECHA GUIDE MOTOR CDM-H15
172	3040RB0005A	BASE	MAIN (CDM-H1503)
173	4510RB0001A	LEVER	S/W CLOSE
175	4681RBA002A	MOTOR ASSEMBLY	HOME LOADING (PULLEY 8.6)
177	4470RB0001A	GEAR	MAIN (CDM-H1503)
184	4900RB0002A	DAMPER	HOME 3CD CHANGER MOLD RUBBER
185	3040SB0003A	BASE	PU(CDM-H1303)
186	4970RB0001A	SPRING	COIL 3 CD CHANGER
187	4970RB0001B	SPRING	COIL 50 3CD CHANGER
416	88H-0004	CD MECHA PARTS	3X12X12FNM
417	88H-0002	CD MECHA PARTS	3X9X12FZMY
418	353-025BAAA	"SCREW,DRAWING"	#NAME?
419	88H-0003	CD MECHA PARTS	3X12X10FZMY
421	6756SBX001A	CD MECHANISM PARTS	SCREW 2.6X10X10XFZMY CDM-H813
422	353-028H	SCREW	#NAME?

SECTION 4. SPEAKER SECTION

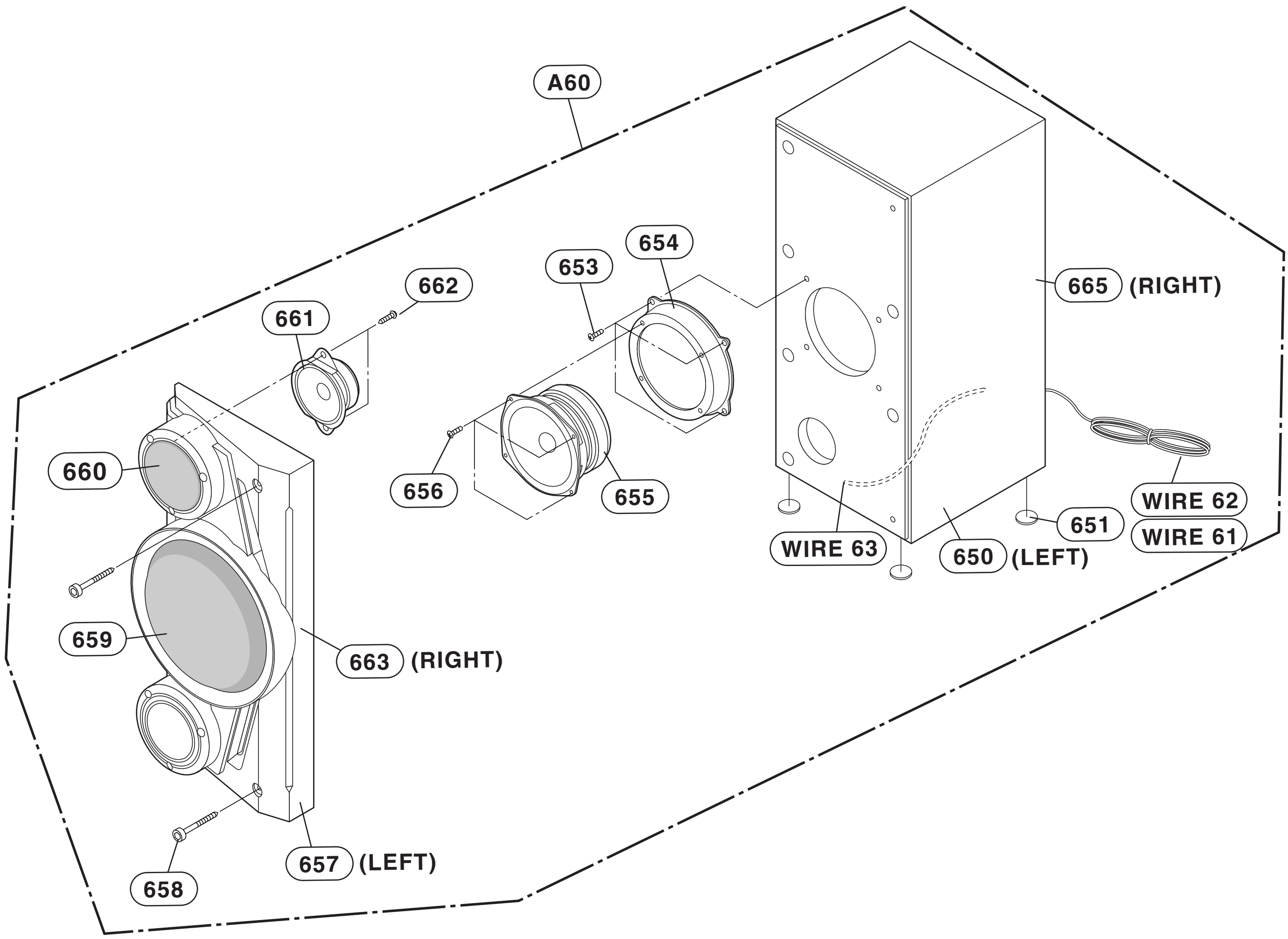
❏ MODEL: LMS-U2350, LMS-U4050, LMS-U5050



❑ MODEL: LMS-U5050W, LMS-U4050W



❏ MODEL: LMS-U5050S



MEMO